

**National Marrow Donor Program**  
**HLA-A Search Determinants for Alleles Contained in the**  
**July 2003 release, version 2.2.0, of the IMGT/HLA Sequence Database**

| HLA Allele | Single or Multiple Search Determinant Assignment |
|------------|--------------------------------------------------|
| A*010101   | 01                                               |
| A*010102   | 01                                               |
| A*0102     | 01                                               |
| A*0103     | 01                                               |
| A*0104N    | <blank>*                                         |
| A*0106     | 01                                               |
| A*0107     | 01                                               |
| A*0108     | 01                                               |
| A*0109     | 01                                               |
| A*020101   | 02                                               |
| A*020102   | 02                                               |
| A*020103   | 02                                               |
| A*020104   | 02                                               |
| A*020105   | 02                                               |
| A*020106   | 02                                               |
| A*020107   | 02                                               |
| A*020108   | 02                                               |
| A*020109   | 02                                               |
| A*0202     | 02                                               |
| A*0203     | 02                                               |
| A*0204     | 02                                               |
| A*0205     | 02                                               |
| A*0206     | 02                                               |
| A*0207     | 02                                               |
| A*0208     | 02                                               |
| A*0209     | 02                                               |
| A*0210     | 02                                               |
| A*0211     | 02                                               |
| A*0212     | 02                                               |
| A*0213     | 02                                               |
| A*0214     | 02                                               |
| A*0215N    | <blank>                                          |
| A*0216     | 02                                               |
| A*021701   | 02                                               |
| A*021702   | 02                                               |
| A*0218     | 02                                               |
| A*0219     | 02                                               |
| A*022001   | 02                                               |
| A*022002   | 02                                               |
| A*0221     | 02                                               |
| A*0222     | 02                                               |
| A*0224     | 02                                               |
| A*0225     | 02                                               |
| A*0226     | 02                                               |
| A*0227     | 02                                               |
| A*0228     | 02                                               |
| A*0229     | 02                                               |
| A*0230     | 02                                               |
| A*0231     | 02                                               |
| A*0232N    | <blank>                                          |

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|-------------|--------------------------------------------------|
| A*0233      | 02                                               |
| A*0234      | 02                                               |
| A*0235      | 02                                               |
| A*0236      | 02                                               |
| A*0237      | 02                                               |
| A*0238      | 02                                               |
| A*0239      | 02                                               |
| A*0240      | 02                                               |
| A*0241      | 02                                               |
| A*0242      | 02                                               |
| A*0243N     | <blank>                                          |
| A*0244      | 02                                               |
| A*0245      | 02                                               |
| A*0246      | 02                                               |
| A*0247      | 02                                               |
| A*0248      | 02                                               |
| A*0249      | 02                                               |
| A*0250      | 02                                               |
| A*0251      | 02                                               |
| A*0252      | 02                                               |
| A*0253N     | <blank>                                          |
| A*0254      | 02                                               |
| A*0255      | 02/28 **                                         |
| A*0256      | 02                                               |
| A*0257      | 02                                               |
| A*0258      | 02                                               |
| A*0259      | 02                                               |
| A*0260      | 02                                               |
| A*0261      | 02                                               |
| A*0262      | 02                                               |
| A*0263      | 02                                               |
| A*0264      | 02                                               |
| A*030101    | 03                                               |
| A*03010102N | <blank>                                          |
| A*030102    | 03                                               |
| A*030103    | 03                                               |
| A*0302      | 03                                               |
| A*0303N     | <blank>                                          |
| A*0304      | 03                                               |
| A*0305      | 03                                               |
| A*0306      | 03                                               |
| A*0307      | 03                                               |
| A*0308      | 03                                               |
| A*0309      | 03                                               |
| A*0310      | 03                                               |
| A*0311N     | <blank>                                          |
| A*0312      | 03                                               |
| A*110101    | 11                                               |
| A*110102    | 11                                               |
| A*1102      | 11                                               |

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| HLA Allele  | Single or Multiple Search Determinant Assignment |
|-------------|--------------------------------------------------|
| A*1103      | 11                                               |
| A*1104      | 11                                               |
| A*1105      | 11                                               |
| A*1106      | 11                                               |
| A*1107      | 11                                               |
| A*1108      | 11                                               |
| A*1109      | 11                                               |
| A*1110      | 10/11                                            |
| A*1111      | 11                                               |
| A*1112      | 11                                               |
| A*1113      | 11                                               |
| A*1114      | 11                                               |
| A*2301      | 23                                               |
| A*2302      | 23                                               |
| A*2303      | 23                                               |
| A*2304      | 23                                               |
| A*2305      | 23                                               |
| A*2306      | 23                                               |
| A*2307N     | <blank>                                          |
| A*2308N     | <blank>                                          |
| A*2309      | 23                                               |
| A*2310      | 23                                               |
| A*24020101  | 24                                               |
| A*24020102L | 24                                               |
| A*240202    | 24                                               |
| A*240203    | 24                                               |
| A*240204    | 24                                               |
| A*240301    | 24                                               |
| A*240302    | 24                                               |
| A*2404      | 24                                               |
| A*2405      | 24                                               |
| A*2406      | 24                                               |
| A*2407      | 24                                               |
| A*2408      | 24                                               |
| A*2409N     | <blank>                                          |
| A*2410      | 24                                               |
| A*2411N     | <blank>                                          |
| A*2413      | 24                                               |
| A*2414      | 24                                               |
| A*2415      | 24                                               |
| A*2417      | 24                                               |
| A*2418      | 24                                               |
| A*2419      | 09                                               |
| A*2420      | 24                                               |
| A*2421      | 24                                               |
| A*2422      | 24                                               |
| A*2423      | 24                                               |
| A*2424      | 09                                               |
| A*2425      | 24                                               |
| A*2426      | 24                                               |

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| HLA Allele  | Single or Multiple Search Determinant Assignment |
|-------------|--------------------------------------------------|
| A*2427      | 24                                               |
| A*2428      | 09                                               |
| A*2429      | 24                                               |
| A*2430      | 24                                               |
| A*2431      | 24                                               |
| A*2432      | 24                                               |
| A*2433      | 24                                               |
| A*2434      | 24                                               |
| A*2435      | 24                                               |
| A*2436N     | <blank>                                          |
| A*2437      | 24                                               |
| A*2438      | 24                                               |
| A*250101    | 25                                               |
| A*250102    | 25                                               |
| A*2502      | 25                                               |
| A*2503      | 25                                               |
| A*2504      | 25                                               |
| A*2601      | 26                                               |
| A*2602      | 26                                               |
| A*2603      | 26                                               |
| A*2604      | 26                                               |
| A*2605      | 26                                               |
| A*2606      | 26                                               |
| A*2607      | 26/43                                            |
| A*2608      | 26                                               |
| A*2609      | 26                                               |
| A*2610      | 26                                               |
| A*2611N     | <blank>                                          |
| A*2612      | 26                                               |
| A*2613      | 26/66                                            |
| A*2614      | 26                                               |
| A*2615      | 10                                               |
| A*2616      | 26                                               |
| A*2617      | 26                                               |
| A*2618      | 26                                               |
| A*29010101  | 29                                               |
| A*29010102N | <blank>                                          |
| A*290201    | 29                                               |
| A*290202    | 29                                               |
| A*2903      | 29                                               |
| A*2904      | 29                                               |
| A*2905      | 29                                               |
| A*2906      | 29                                               |
| A*2907      | 29                                               |
| A*2908N     | <blank>                                          |
| A*2909      | 29                                               |
| A*3001      | 30                                               |
| A*3002      | 30                                               |
| A*3003      | 30                                               |
| A*3004      | 30                                               |

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| HLA Allele | Single or Multiple Search Determinant Assignment |
|------------|--------------------------------------------------|
| A*3006     | 30                                               |
| A*3007     | 30                                               |
| A*3008     | 30                                               |
| A*3009     | 30                                               |
| A*3010     | 30                                               |
| A*3011     | 30                                               |
| A*3012     | 30                                               |
| A*310102   | 31                                               |
| A*3102     | 31                                               |
| A*3103     | 31                                               |
| A*3104     | 31                                               |
| A*3105     | 31                                               |
| A*3106     | 31                                               |
| A*3107     | 31/32                                            |
| A*3108     | 09/31/32                                         |
| A*3109     | 31                                               |
| A*3201     | 32                                               |
| A*3202     | 32                                               |
| A*3203     | 32                                               |
| A*3204     | 03/32                                            |
| A*3205     | 32                                               |
| A*3206     | 32                                               |
| A*3207     | 32                                               |
| A*3301     | 33                                               |
| A*330301   | 33                                               |
| A*330302   | 33                                               |
| A*3304     | 33                                               |
| A*3305     | 33                                               |
| A*3306     | 33                                               |
| A*3401     | 34                                               |
| A*3402     | 34                                               |
| A*3403     | 34                                               |
| A*3404     | 34                                               |
| A*3405     | 34                                               |
| A*3601     | 36                                               |
| A*3602     | 36                                               |
| A*3603     | 36                                               |
| A*3604     | 36                                               |
| A*4301     | 43                                               |
| A*6601     | 26/66                                            |
| A*6602     | 34/66                                            |
| A*6603     | 26/34/66                                         |
| A*6604     | 26/66                                            |
| A*680101   | 68                                               |
| A*680102   | 68                                               |
| A*680103   | 68                                               |
| A*6802     | 68                                               |
| A*680301   | 68                                               |
| A*680302   | 68                                               |
| A*6804     | 68                                               |

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| HLA Allele | Single or Multiple Search Determinant Assignment |
|------------|--------------------------------------------------|
| A*6805     | 68                                               |
| A*6806     | 68                                               |
| A*6807     | 68                                               |
| A*6808     | 68                                               |
| A*6809     | 68                                               |
| A*6810     | 68                                               |
| A*6811N    | <blank>                                          |
| A*6812     | 68                                               |
| A*6813     | 68                                               |
| A*6814     | 68                                               |
| A*6815     | 68                                               |
| A*6816     | 68                                               |
| A*6817     | 68                                               |
| A*6818N    | <blank>                                          |
| A*6819     | 68                                               |
| A*6820     | 68                                               |
| A*6821     | 68                                               |
| A*6822     | 68                                               |
| A*6823     | 68                                               |
| A*6824     | 68                                               |
| A*6901     | 69                                               |
| A*7401     | 74                                               |
| A*7402     | 74                                               |
| A*7403     | 74                                               |
| A*7404     | 74                                               |
| A*7405     | 74                                               |
| A*7406     | 74                                               |
| A*7407     | 74                                               |
| A*7408     | 74                                               |
| A*7409     | 74                                               |
| A*8001     | 80                                               |

\* Non-expressed alleles are not assigned search determinants

\*\* Allele is assigned to more than one search determinant

**National Marrow Donor Program  
Search Determinants for HLA-A  
Serologic Specificities**

| <b>Serologic Specificity</b> | <b>Search Determinant Assignment</b> |
|------------------------------|--------------------------------------|
| A1                           | 01                                   |
| A2                           | 02                                   |
| A203                         | 203                                  |
| A210                         | 210                                  |
| A3                           | 03                                   |
| A9                           | 09                                   |
| A10                          | 10                                   |
| A11                          | 11                                   |
| A19                          | 19                                   |
| A23                          | 23                                   |
| A24                          | 24                                   |
| A2403                        | 2403                                 |
| A25                          | 25                                   |
| A26                          | 26                                   |
| A28                          | 28                                   |
| A29                          | 29                                   |
| A30                          | 30                                   |
| A31                          | 31                                   |
| A32                          | 32                                   |
| A33                          | 33                                   |
| A34                          | 34                                   |
| A36                          | 36                                   |
| A43                          | 43                                   |
| A66                          | 66                                   |
| A68                          | 68                                   |
| A69                          | 69                                   |
| A74                          | 74                                   |
| A80                          | 80                                   |