

Table 14. HLA A3 supertype binding vaccinia-derived T cell epitopes

| Epitope | Sequence | ORF | A3-supertype binding capacity (IC50 nM) ¹ | | | | |
|--------------|------------|-----|--|------------|--------|------------|--------|
| | | | A*0301 | A*1101 | A*3101 | A*3301 | A*6801 |
| G8R(65-73) | IVFNLPVSK | 29 | 2.2 | 4.6 | 23 | 3174 | 5.4 |
| J6R(332-340) | NQVKFYFNK | 37 | 192 | 2.2 | 15 | 822 | 5.8 |
| D1R(152-161) | KTKNFTIDFK | 42 | 11 | 22 | 14 | 40360 | 144 |
| A8R(79-88) | AVKDVTITKK | 57 | 84 | 519 | 605 | - | 1617 |
| A31R(87-94) | VTSSGAIYK | 69 | 10 | 3.1 | 3969 | 21351 | 24 |
| B5R(154-163) | GTIAGGVCYY | 96 | 132 | 4.5 | 8452 | 38629 | 11061 |
| B14R(74-83) | AVFKDSFLRK | 103 | 8.2 | 121 | 686 | 42365 | 47 |
| C12L(93-102) | KVLHVTDTNK | 125 | 8.1 | 10 | 466 | - | 3025 |
| C9L(193-201) | ATSLDVINY | 129 | 625 | 6.8 | 10282 | - | - |
| C7L(31-40) | KLKIISNDYK | 131 | 4.5 | 464 | 137 | - | - |
| C5L(158-166) | KVMFVIRFK | 133 | 1.4 | 7.3 | 4.9 | 857 | 30 |
| I3L(116-124) | AVYGNIKHK | 176 | 9.4 | 18 | 12 | 7169 | 76 |
| D5R(670-678) | YLLVKWYRK | 46 | 5.6 | 3.6 | 45 | 114 | - |

1. High affinity binding (IC50s \leq 500 nM) is highlighted by bold font. A dash (-) indicates IC50 >50000 nM.