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Data Sheet

MHC I-Strep HLA-A*0201; CMV pp65 (NLVPMVATV)

Cat. No.: 6-7001-001

Lot. No.: 7001-1030

Version: 16.1

Revision Date: 10.09.2021

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| Description | Recombinant human MHC class I allele (HLA-A*0201) fused to a Twin-Strep-tag® (MHC I-Strep) refolded with CMV pp65 ₍₄₉₅₋₅₀₃₎ peptide (NLVPMVATV). |
| Form | Dissolved in DPBS (Dulbecco's phosphate buffered saline) without Ca & Mg, contains KCl; pH 7.9 - 8.1 (sterile solution without preservatives). |
| Concentration | 250 µg/ml |
| Amount | 40 µl |
| Stability | 12 months after shipping (if stored at -80 °C). Handle under sterile conditions and avoid multiple freeze-thaw cycles. |
| Storage | Long-term: -80 °C; short-term: 2-8 °C |
| Shipping | Dry ice |
| Hazards | Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided. |
| Application | MHC I-Streps are used for the MHC I Streptamer® approach, based on our Strep-tag® technology. Multimerization of MHC I-Streps on Strep-Tactin® increases the avidity of low affinity monomers. The following applications are possible: Fluorescent cell staining and sorting with fluorescently conjugated Strep-Tactin®, magnetic cell isolation with Strep-Tactin® Magnetic Microbeads or affinity chromatographic cell isolation with Strep-Tactin® TACS Agarose columns. Biotin reverses the multimerization and causes the dissociation of all reagents from the cells, yielding label-free populations for unbiased further use. |
| Recommended usage | 0.8 µl per 2 x 10 ⁶ total cells for fluorescent staining or magnetic isolation |

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