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Data Sheet

MHC I-Strep HLA-B*0702; CMV pp65 (TPRVTGGGAM)

Cat. No.: 6-7027-001
Lot. No.: 7027-1014

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Description	Recombinant human MHC class I allele (HLA-B*0702) fused to a Twin-Strep-tag® (MHC I-Strep) and refolded with CMV pp65 peptide (TPRVTGGGAM).
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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