

Data Sheet

MHC I-Strep HLA-A*0201

CMV IE-1₍₃₁₆₋₃₂₄₎

VLEETSVML

Cat. No.: 6-7041-001

Lot No.: 7041-

Version: 13.1

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Description	<p>Recombinant human MHC I-Strep HLA-A*0201 for Streptamer[®] technology. Refolded with CMV IE-1₍₃₁₆₋₃₂₄₎ peptide (VLEETSVML).</p> <ul style="list-style-type: none"> • Fluorescent Streptamer[®] reagents for T cell staining and isolation via FACS: The Strep-tagged MHC I molecules can be multimerized by Strep-Tactin[®] PE (R-Phycoerythrin; # 6-5000-001) or Strep-Tactin[®] APC (Allophycocyanin; #. 6-5010-001) via the reversible interaction between Strep-tag[®] and Strep-Tactin[®]. The resulting fluorescent Streptamer[®] reagents can be used to stain T cells which are specific for the respective peptide-loaded MHC I molecule. • Streptamer[®] Magnetic T cell Labelling and Isolation via StrepMan: The MHC molecules with Strep-tag[®] can be combined with Strep-Tactin[®] Magnetic Microbeads (Cat. No. 6-5510-005) to be used for the isolation of T cells on a StrepMan Magnet (Cat. No. 6-5650-065). <p>After the cells have been sorted by FACS or isolated using Magnetic Beads the dye complex or magnetic microspheres can be mildly and rapidly dissociated from the T cells by using biotin (# 6-0219-001, also included in the Streptamer[®] Solution Set Standard, # 6-5603-005) leading to improved viability of the cells after isolation.</p>
Form	Dissolved in DPBS (Dulbecco's phosphate buffered saline) without Ca & Mg, contains KCl; pH7.9 - 8.1 Solution is sterile and does not contain any preservatives. Please handle under sterile conditions.
Amount	40 µl for fluorescent staining of 5x 10 ⁷ to 1x10 ⁸ cells for magnetic isolation out of 1x 10 ⁸ cells
Stability	12 months after shipping (if stored at -80 °C)
Storage	Long-term storage: -80 °C (avoid repeated freezing and thawing) Short-term storage: make aliquots and store at 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.

For research use only

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