

Data Sheet

Recombinant human MHC I-Strep HLA-A*0201 HIV pol peptide

Cat. No. : 6-7005-001, 6-7005-005, 6-7005-015, 6-7005-050,
6-7005-100

Lot No.: 7005-

IBA Headquarters
IBA GmbH
Rudolf-Wissell-Str. 28
D-37079 Göttingen
Germany
Tel. +49 (0) 551-5 06 72-0
Fax +49 (0) 551-5 06 72-181
E-mail info@iba-go.com
<http://www.iba-go.com>

IBA US Distribution Center
10748 Indian Head Industrial Blvd.
St. Louis, MO 63132
USA
Tel. 1-877-IBA-GmbH
(1-877-422-4624)
Fax 1-888-531-6813
E-mail info@iba-go.com
<http://www.iba-go.com>

Last date of revision
August 08

Version 7005-3

Description	<p>Recombinant human MHC I-Strep HLA-A*0201 for Streptamer technology. Refolded with ILKEPVHGV peptide (HIV pol)</p> <ul style="list-style-type: none"> • Streptamer® Fluorescent T-cell Labeling and Isolation via FACS using Strep-Tactin-PE or -APC: The MHC molecules with <i>Strep</i>-tag can be multimerized by <i>Strep</i>-Tactin-PE (R-Phycoerythrin) or -APC (Allophycocyanin) conjugate via the reversible interaction between <i>Strep</i>-tag and <i>Strep</i>-Tactin. The resulting multimer can be used to stain T-cells which are specific for the respective peptide-loaded MHC molecule. • Streptamer® Magnetic T-cell Labeling and Isolation via MACS: The MHC molecules with <i>Strep</i>-tag have to be combined with Streptamer Magnetic Beads and can be used for the isolation of T-cells on a Miltenyi Biotec MACS® column. <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 leading to improved viability of the cells after isolation.</p>
Form	<p>Dissolved in PBS (Phosphate buffered saline): 8.06 mM Na₂HPO₄ x 2H₂O; 1.47 mM KH₂PO₄; 137 mM NaCl; pH 8.0 Solution is sterile and does not contain any preservative. Please handle under sterile conditions.</p>
Concentration	0.25 mg/ml (4 µl are equivalent to 1 µg MHC)
Amount	<p>Cat. No. 6-7005-001: 40 µl = 10 staining test or 5 magnetic preps Cat. No. 6-7005-005: 200 µl = 50 staining test or 25 magnetic preps Cat. No. 6-7005-015: 600 µl = 150 staining test or 75 magnetic preps Cat. No. 6-7005-050: 2 ml = 500 staining test or 250 magnetic preps Cat. No. 6-7005-100: 4 ml = 1000 staining test or 500 magnetic preps 1 staining test = approx. 5x10⁶ cells; 1 magnetic prep = approx. 2x10⁷ cells</p>
Storage	<p>Long-term storage: -80 °C (avoid repeated freezing and thawing) Short-term storage: make aliquots and store at 4°C</p>
Shipment	Dry Ice

For research use only

Important licensing information

This product is based on Strep-tag, One-STrEP-tag and Streptamer technologies covered by intellectual property (IP) rights and on completion of the sale IBA grants respective Limited Use Label Licenses to purchaser. IP rights and Limited Use Label Licenses for said technology are further described and identified at <http://www.iba-go.com/patents.html> or upon inquiry at info@iba-go.com or at IBA GmbH, Rudolf-Wissell-Str. 28, 37079 Göttingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.

Trademark information

The owners of trademarks marked by “®” or “TM” are identified at <http://www.iba-go.com/patents.html>. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.