



IBA Lifesciences GmbH
Rudolf-Wissell-Str. 28
37079 Goettingen
Germany
Tel.: +49 (0) 551-5 06 72-0
E-mail: info@iba-lifesciences.com
www.iba-lifesciences.com

Data Sheet

MHC I-Strep H-2 D^b; LCMV gp (SGVENPGGYCL)

Cat. No.: 6-7097-001

Lot. No.: 7097-1001

Version: 6.1

Revision Date: 10.09.2021

Description	Recombinant murine MHC class I allele (H-2 D ^b) fused to a Twin-Strep-tag [®] (MHC I-Strep) and refolded with LCMV gp ₍₂₇₆₋₂₈₆₎ peptide SGVENPGGYCL.
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

For research use only

Trademark information

The owners of trademarks marked by "®" or "TM" are identified at <http://www.iba-lifesciences.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.

Important licensing information

This product is covered by intellectual property (IP) rights and on completion of the sale IBA Lifesciences 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-lifesciences.com/patents.html> or upon inquiry at info@iba-lifesciences.com or at IBA Lifesciences GmbH, Rudolf-Wissell-Str. 28, 37079 Goettingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.