

Instructions For Use RA0493-C-IFU-RUO

Revision: 2

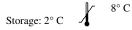
Rev. Date: December 3, 2019

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CD100 (Semaphorin-4D); Clone A8 (Concentrate)

Availability/Contents:	<u>Item #</u> RA0493-C.1 RA0493-C.5 RA0493-C1	<u>Volume</u> 0.1 ml 0.5 ml 1 ml
Description:		
Species: Immunogen: Clone: Isotype: Entrez Gene ID: Hu Chromosome Loc.: Synonyms: Mol. Weight of Antigen:	Mouse PHA stimulated human peripheral blood lymphocytes A8 IgG1, kappa 10507 9q22.2 COLL4; Collapsin4; GR3; M sema G; MSEMA; SEMA4D; Semacl2; SemaH; SEMAJ; Semaphorin C like 2; Semaphorin H; Semaphorin J; Semaphorin-4D; Semcl2 50kDa (Monomer)	
Format:	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.	
Specificity: Background:	Recognizes a homodimeric protein comprised of 50kDa subunits, identified as CD100. CD100 is expressed on majority of haemopoietic cells (B, T, NK and myeloid cells) and is absent from bone marrow, erythrocytes, eosinophils and endothelial cells. Its expression is increased after PHA-activation. CD100 was shown to associate with different partner molecules in T cells such as CD45, a key molecule with protein tyrosine phosphatase activity involved in T-cell transduction, and a Serine kinase. It plays a role in homotypic cell adhesion and in T cell activation.	
Species Reactivity: Positive Control: Cellular Localization: Titer/ Working Dilution:	Cell surface. Flow Cytometry: Immunofluorescence: Optimal dilution for a spec	se. Others not-tested. a, U937, and human lymphocytes. Human tonsils and lymph nodes. 1-2 μg/million cells 1-2 μg/ml ific application should be determined by user.
Microbiological State:	This product is not sterile.	



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Uses/Limitations: Not to be taken internally. For Research Use Only. Do not use if reagent becomes cloudy. Do not use past expiration date. Non-Sterile.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. Optimal dilution and procedure for a specific application should be determined by user.

 Precautions:
 Contains Sodium Azide as a preservative (0.09% w/v).

 Do not pipette by mouth.
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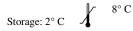
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.

 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

- 1. Hall K, et al. 1996. P. Natl. Acad. Sci. USA 93:11780.
- 2. Mizrahi S, et al. 2007. PLoS One. 2(9):e818.
- 3. Yoshino N, et al. 2000. Exp. Anim. (Tokyo) 49:97. (FC)
- 4. Schlossman SL Bloumsell W Gilks et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press New York.
- Bougeret CIG Mansur H Dastot et al. 1992. Increased surface expression of a newly identified 150 kDa dimer early after human T lymphocyte activation. J. Immunol. 148:318.
- Knapp WB Dorken EP. Rieber et al, eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press New York.

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