

DESCRIPTION

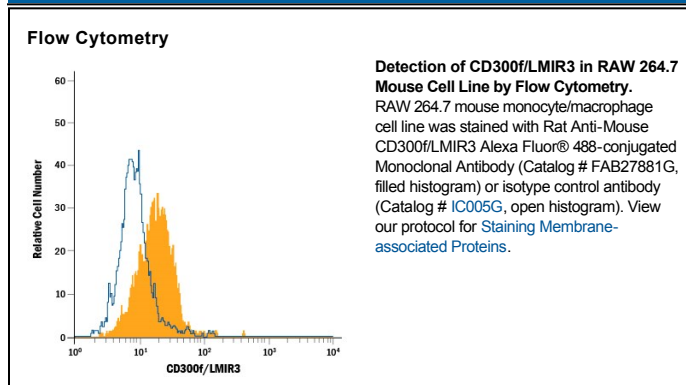
Species Reactivity	Mouse
Specificity	Detects mouse CD300f/LMIR3 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) LMIR4, rmCD300b/LMIR5, recombinant human (rh) CD300a/LMIR1, rhCD300c/LMIR2, rhCD300f/LMIR3, or rhCD300e/LMIR6 is observed.
Source	Monoclonal Rat IgG ₁ Clone # 305835
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD300f/LMIR3 Cys16-Gly188 Accession # Q6SJQ7
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Mouse LMIR3, also known as CLM-1, IgSF13, IREM-1 and CMRF35-like Molecule 1, and designated CD300f, is a 55 kDa type I transmembrane (TM) glycoprotein. It is synthesized as a 283 amino acid (aa) precursor that contains a putative 19 aa signal sequence, a 175 aa extracellular region that contains one Ig-like domain, a 17 aa TM segment and a 72 aa cytoplasmic domain that contains an ITIM sequence. There are multiple alleles for this gene that vary considerably in size. Mouse LMIR3 is expressed in monocytic cell lines. Mature mouse LMIR3 extracellular region shares 43% and 72% aa identity with human and rat LMIR3 extracellular region, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.