

Mouse CD300f/LMIR3 Alexa Fluor® 700-conjugated Antibody

Monoclonal Rat IgG₁ Clone # 305835

Catalog Number: FAB27881N

100 µg

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 # Q6SJK7
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	RAW 264.7 mouse monocyte/macrophage cell line

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.

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