

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD300b/LMIR5 in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) LMIR5 is observed and no cross-reactivity with recombinant mouse (rm) LMIR3, rmLMIR4, rhLMIR1, rhLMIR2, or rh
Source	Monoclonal Rat IgG _{2B} Clone # 339003
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD300b/LMIR5 Ile18-Tyr157 Accession # Q3U497
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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

The LMIR members, alternatively known as CLM (CMRF-35 like molecules) multigene family members, are closely mapped in the distal region of mouse chromosome 11 and are expressed widely in leukocytes. Their encoded proteins are type I membrane proteins that contain a single extracellular Ig-like domain. These proteins either have cytoplasmic ITIM motifs or can interact with ITAM motif-bearing molecules through a characteristic transmembrane domain containing positively charged amino acid residues.

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