

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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                            |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 339003                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse CD300b/LMIR5<br>Ile18-Tyr157<br>Accession # Q3U497                                                                                                                                                                    |
| <b>Conjugate</b>          | Alexa Fluor 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 617 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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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