

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 rhLMIR6 is observed.
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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
Western Blot	1 µg/mL	Recombinant Mouse CD300b/LMIR5

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.