

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRB5/CD85c/LIR-8 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) ILT1, 2, 3, 4, 5, rhLIR-6, or rhILT11/LILRA5 is observed. In Western blots, less than 5% cross-reactivity with rhIL
Source	Monoclonal Mouse IgG _{2B} Clone # 395239
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRB5/CD85c/LIR-8 isoform 1 Arg18-His456 Accession # O75023
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Human LIR-8 (leukocyte immunoglobulin-like receptor 8; also CD85c and LILRB5) is a 567 amino acid (aa) member of the LIR family of receptors. It is a type I transmembrane protein that is expressed on NK cells. LIR-8 has a 435 aa extracellular domain with four C2-type Ig-like domains (aa 24-458), and a 111 aa cytoplasmic tail that contains two ITIM motifs. Phosphorylation of Tyr in an ITIM motif recruits SHP-1, which is subsequently activated and impacts related signaling pathways. The ligand for, and function of, LIR-8 are unreported. LIR-8 has two potential splice forms. One shows a 53 aa cytoplasmic insert between Arg542 and Ala543. The second shows a deletion of 100 aa between Gly119 and Gly219 that impacts the second C2-type Ig-like domain. There is no rodent ortholog.

PRODUCT SPECIFIC NOTICES

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