

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA-2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) LILRA-1, rhLILRA-3, rhLILRA-4, rhLILRA-5, rhLILRA-6, rhILT-2, rhILT-4, or rhILT-5 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 600002
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA2/CD85h/ILT1 Pro17-Ser437 Accession # Q8N149
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

Immune-like transcript 1 (ILT1), also known as leukocyte immunoglobulin-like receptor 7 (LIR-7), leukocyte immunoglobulin-like receptor subfamily A member 2 (LILRA2), and CD85H, is a 51 kDa (unglycosylated) type I transmembrane glycoprotein and member of the leukocyte immunoglobulin-like receptor family. Human ILT1 is synthesized as a 483 amino acid (aa) precursor that contains a 23 aa signal sequence, a 426 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 13 aa cytoplasmic region. The ECD contains four Ig-like C2-type domains and seven potential sites for N-linked glycosylation. A splice variant produces a second isoform that has a one aa substitution for aa 419-436 in the longer form. There are no murine orthologs for human ILT1. ILT1 may act as a receptor for class I MHC antigens.

PRODUCT SPECIFIC NOTICES

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