

Human LILRA1/CD85i/LIR-6 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 586326

Catalog Number: FAB30851R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA1/CD85i/LIR-6 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) ILT2 is observed and no cross-reactivity rhILT3, 4, 5, 6, rhLIR-7 or -8 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 586326
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA1/CD85i/LIR-6 Pro17-Asn461 Accession # O75019
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human blood-derived monocytes

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

Leukocyte Immunoglobulin-like Receptor 6 (LIR-6), also called LILRA1 or CD85i, is a glycoprotein member of the LIR family of leukocyte Ig-like receptors. As an activating LIR, LIR-6 has a short cytoplasmic tail and a charged aa within the TM domain which interacts with FcRγ. Both four (LIR-6a) and two (LIR-6b) Ig-like domain forms are expressed by monocytes and B cells. Human LIR-6 has no non-primate ortholog, but shows up to 80% aa identity with human ILT-1c and KIR-p91/PIR-B. A mouse homolog, gp49B2, has structural similarity but limited sequence identity.

PRODUCT SPECIFIC NOTICES

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