

Human LILRA1/LILRB1 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 586326 Catalog Number: FAB30851A

100 Tests

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human LILRA1 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) LILRB1 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 Pro17-Asn461 Accession # O75019
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied 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

DATA

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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	10 µL/10 ⁶ cells	See Below	
DATA			

Flow Cytometry Relative Cell Number

103

10² LILRA1/LILRB1

Detection of LILRA1/LILRB1 in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human LILRA1/LILRB1 APC-conjugated Monoclonal Antibody (Catalog # FAB30851A, filled histogram) or isotype control antibody (Catalog # IC0041A, open histogram). View our protocol for Staining Membraneassociated Proteins.

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 amino acid (aa) within the TM domain which interacts with FcRy. 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.

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