Human LILRA5/CD85f PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 711828

Catalog Number: FAB6754P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ILT11/LILRA5 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse ILT11/LILRA5, recombinant rat (rr) ILT11/LILRA5, rrLILRC2, recombinant human (rh) ILT4/CD85d, rhILT5/CD85a, or rhILT3/CD85k is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 711828
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ILT11/LILRA5 Gly42-Arg268 Accession # A6NI73
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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.

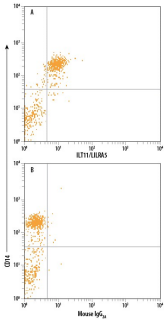
APPLICATIONS

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



Detection of ILT11/LILRA5 in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human CD14 PerCP-conjugated Monoclonal Antibody (Catalog # FAB3832C) and either (A) Mouse Anti-Human ILT11/LILRA5 PE-conjugated Monoclonal Antibody (Catalog # FAB6754P) or (B) Mouse IgG_{2A} Phycoerythrin Isotype Control (Catalog # IC003P). View our protocol for Staining Membrane-associated 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

ILT11 (also leukocyte immunoglobulin-like receptor 9 (LIR-9), CD85f, and LILRA5) is a 39-40 kDa Group 2 member of the LILR family of innate immune receptors. It is expressed on monocytes and perhaps neutrophils, and its activation results in the secretion of proinflammatory cytokines such as TNF-a and IL-1b. Mature human ILT11 is a 258 amino acid (aa) type I transmembrane glycoprotein. It has a 227 aa extracellular domain (aa 42-268) that contains two C2-type Ig-like domains (aa 51–136 and 142-230), and a 10 aa cytoplasmic tail. ILT11 has three potential splice forms. One is a 35 kDa soluble form of the molecule described above that shows a 27 aa substitution for aa 239-299. The other two splice forms are analogous to the above membrane and soluble forms, but demonstrate signal sequence cleavage further downstream after Ala51. Over aa 41-268, human ILT11 shares 58% aa identity with mouse ILT11.

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