

DESCRIPTION

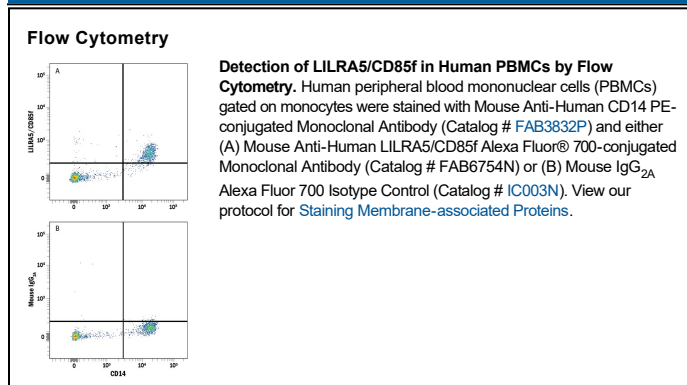
Species Reactivity	Human
Specificity	Detects human ILT11/LILRA5 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse ILT11/LILRA5, recombinant rat (rr) ILT11/LILRA5, rrLILRC2, recombinant human (rh) ILT4/CD85d, rhILT5/CD85a, or rhILT3/CD85k is observed.
Source	Monoclonal Mouse 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	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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	5 µL/10 ⁶ cells	See Below

DATA



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. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

LILRA5, also known as Leukocyte Immunoglobulin-like Receptor 9 (LIR-9), CD85f, and ILT11, 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-α and IL-1β. Mature human LILRA5 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. LILRA5 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 possess a shortened signal sequence with an absence of aa 31-42. Over aa 42-268, human LILRA5 shares 58% aa identity with mouse LILRA5.

PRODUCT SPECIFIC NOTICES

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