

Human LILRA4/CD85g/ILT7 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 656688

Catalog Number: FAB6287G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA4/CD85g/ILT7 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) LILRA5, rhILT2, 3, 4, 5, or 6 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 656688
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA4/CD85g/ILT7 Glu24-Asn446 Accession # P59901
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 peripheral blood 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

LILRA4, also known as ILT7 and CD85g, is a 499 amino acid (aa) type I transmembrane glycoprotein that contains four Ig-like domains in its extracellular region. LILRA4 is selectively expressed on plasmacytoid dendritic cells (pDC). It binds to BST2/CD317 on bone marrow stromal cells and associates with the gamma subunit of Fc epsilon RI. This receptor complex transmits signals that inhibit the TLR-induced production of type I interferon. The LILRA4-mediated interactions between pDC and tumor cells similarly inhibit the production of proinflammatory cytokines and contribute to reduced anti-tumor immune responses. Alternate splicing of human LILRA4 generates an isoform that lacks the N-terminal 43 aa of the extracellular domain.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.