Human LILRA5/CD85f Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6754

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA5/CD85f in direct ELISAs. In direct ELISAs, approximately 7% cross-reactivity with recombinant human LILRA4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human LILRA5/CD85f Gly42-Arg268 Accession # A6NI73
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

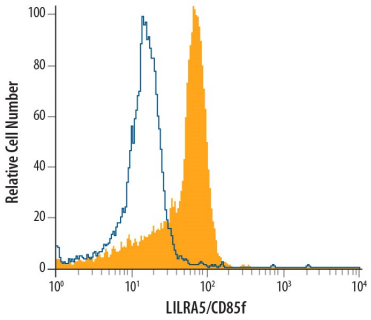
APPLICATIONS

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	2.5 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of LILRA5/CD85f in Human peripheral blood monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Sheep Anti-Human LILRA5/CD85f Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6754, filled histogram) or control antibody (Catalog # 5-001-A, open histogram), followed by NorthernLights™ 557-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # NL010).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ILT11 (leukocyte immunoglobulin-like receptor 9; also CD85f, LIR-9 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-α and IL-1β. Mature human LIR-9 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. LIR-9 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 LIR-9 shares 58% aa identity with mouse LIR-9.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956