Human LILRA2/CD85h/ILT1 Antibody

Monoclonal Mouse IgG_1 Clone # 600007

Catalog Number: MAB6364

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LILRA2/CD85h/ILT1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) ILT2, 3, 4, 5, rhLIR6, or rhLIR8 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 600007
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LILRA2/CD85h/ILT1 Pro17-Ser437 Accession # Q8N149
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 either lyophilized or as a 0.2 μm filtered solution in PBS.

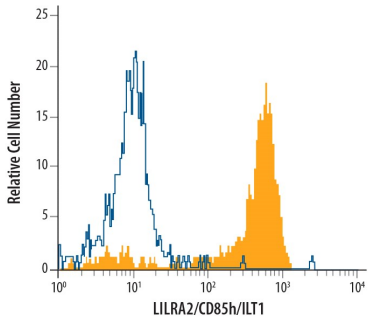
APPLICATIONS

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
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of LILRA2/CD85h/ILT1 in Human PBMC by Flow Cytometry. Human peripheral blood monocytes were stained with Human LILRA2/CD85h/ILT1 Monoclonal Antibody (Catalog # MAB6364, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG $F(ab')_2$ Secondary Antibody (Catalog # F0101B).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 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

Immune-like transcript 1 (ILT1), also known as leukocyte immunoglobulin-like receptor 7 (LIR-7), leukocyte immunoglobulin-like receptor subfamily A member 2 (LILRA2), and CD85H, is a 51 kDa (unglycosylated) type I transmembrane glycoprotein and member of the leukocyte immunoglobulin-like receptor family. Human ILT1 is synthesized as a 483 amino acid (aa) precursor that contains a 23 aa signal sequence, a 426 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 13 aa cytoplasmic region. The ECD contains four Ig-like C2-type domains and seven potential sites for N-linked glycosylation. A splice variant produces a second isoform that has a one aa substitution for aa 419-436 in the longer form. There are no murine orthologs for human ILT1. ILT1 may act as a receptor for class I MHC antigens.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449