

Monoclonal Antibody to CD85j / LILRB1 - PE

Alternate names:	CD85 antigen-like family member J, ILT-2, ILT2, Immunoglobulin-like transcript 2, LILR-B1, LIR-1, LIR1, Leukocyte immunoglobulin-like receptor 1, Leukocyte immunoglobulin-like receptor subfamily B member 1, MIR-7, MIR7, Monocyte/macrophage immunoglobulin-like receptor 7
Catalog No.:	AM05585RP-N
Quantity:	100 Tests
Background:	<p>This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.</p> <p>CD85j is a receptor for MHC Class I molecules and ligand binding results in inhibitory signals and down-regulation of the immune response. CD85j is expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells, T-cells and natural killer (NK) cells.</p>
Uniprot ID:	Q8NHL6
NCBI:	NP_001075106
GeneID:	10859
Host / Isotype:	Mouse / IgG1
Clone:	4F9
Immunogen:	Monocyte derived dendritic cells. Remarks: Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
Format:	State: Lyophilized purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide, 1% BSA and 5% Sucrose Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of neat-1/5 diluted diluted CD85j antibody to label 1x10 ⁶ cells in 100 µl.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody is specific for CD85j, a member of the leukocyte immunoglobulin-like receptor (LIR) family.

Species: Human.

Other species not tested.

Storage:

Store the antibody undiluted prior to and following reconstitution at 2-8°C.

DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

General Readings:

1. Colonna M, Nakajima H, Navarro F, López-Botet M. A novel family of Ig-like receptors for HLA class I molecules that modulate function of lymphoid and myeloid cells. *J Leukoc Biol.* 1999 Sep;66(3):375-81. PubMed PMID: 10496306.
2. Borges L, Hsu ML, Fanger N, Kubin M, Cosman D. A family of human lymphoid and myeloid Ig-like receptors, some of which bind to MHC class I molecules. *J Immunol.* 1997 Dec 1;159(11):5192-6. PubMed PMID: 9548455.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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