

## Product datasheet for **AM05585RP-N**

### LILRB1 Mouse Monoclonal Antibody [Clone ID: 4F9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4F9
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat-1/5 diluted diluted CD85j antibody to label 1x10e6 cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Monocyte derived dendritic cells.
Specificity:	This antibody is specific for CD85j, a member of the leukocyte immunoglobulin-like receptor (LIR) family.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide, 1% BSA and 5% Sucrose Label: PE State: Lyophilized purified IgG fraction Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store the antibody undiluted prior to and following reconstitution at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	leukocyte immunoglobulin like receptor B1
Database Link:	<a href="#">Entrez Gene 10859 Human</a> <a href="#">Q8NHL6</a>



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**Background:**

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. 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.

**Synonyms:**

LILR-B1, ILT2, LIR1, MIR7, LIR-1, ILT-2, MIR-7

**Protein Families:**

Transmembrane