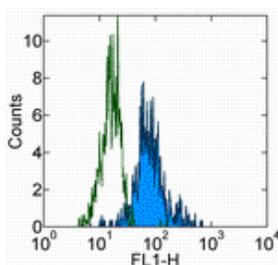


## Anti-Human CD85d (ILT4) FITC

Catalog Number: 11-5148

Also Known As: ILT-4, LIR2, LILRB2, MIR10

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Rat IgM kappa Isotype Control FITC (cat. 11-4341) (open histogram) or Anti-Human CD85d (ILT4) FITC (filled histogram). Cells in the monocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD85d (ILT4) FITC

**REF** **Catalog Number:** 11-5148

**Clone:** 27D6

**Concentration:** 5  $\mu$ L (0.5  $\mu$ g)/test

**Host/Isotype:** Rat IgM

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### Description

The monoclonal antibody 27D6 recognizes the CD85d protein also known as ILT4, LIR-2. It is a member of the ILT (immunoglobulin-like transcript)/ LIR (leukocyte Ig-like receptor) MIR (monocytes Ig-like receptor) family. CD85d is a 110 kDa single transmembrane receptor containing 3 Ig-like domains and a long cytoplasmic domain containing ITIMs (immunoreceptor tyrosine-based inhibitory motifs). Expression is confined to monocytes, macrophages and dendritic cells. The ligand for CD85d is non-classical class I HLA-G, -B and G1. Upon ligand binding, tyrosine phosphatase SHP-1 interacts with the ITIM. Interaction of HLA-G with ILT4/CD85d is thought to contribute to tolerance during fetal implantation. Additionally it is the levels of ILT3 and ILT4 on DCs that suggests a role in organ allograft rejection.

The monoclonal antibody 27D6 has been shown to block binding of ligand (HLA-G tetramer).

### Applications Reported

This 27D6 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 27D6 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.5  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

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**Related Products**

11-4341 Rat IgM Isotype Control FITC

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