

## Anti-IL-T4 Antibody (5V475)

## Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5V475
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Human LILRB2(CD85d) expression on human whole blood monocytes. Cells were stained with purified anti-Human LILRB2(CD85d), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable monocytes.
Application:	ELISA,FCM
Recommended	ELISA: 1:1000-1:2000; FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human LILRB2 / ILT4 / LIR-2 Protein (TMPY-03284)
Antigen Species:	Human
Synonyms:	MIR-10;ILT4;ILT-4;MIR10;leukocyte immunoglobulin like receptor B2;CD85D;LIR2;LIR-2
Biology Area:	ITIM/ITAM Immunoreceptors and Related Molecules

## Research Background

ILT4, also known as LILRB2, is a member of 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). ILT4 gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. Multiple transcript variants encoding different isoforms have been found for the ILT4 gene. ILT4 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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