Recombinant LILRB3 Monoclonal Antibody

catalog number: AN300557P

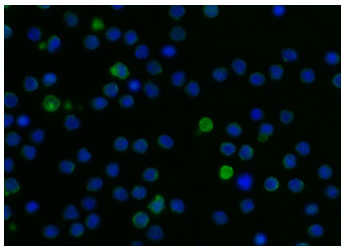
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

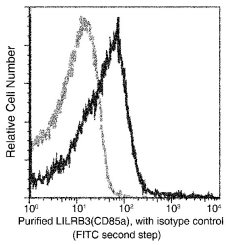
Reactivity	Mouse
Immunogen	Recombinant Mouse LILRB3 Protein
Host	Rabbit
Isotype	IgG
Clone	B487
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ICC/IF	1:20-1:100
FCM	1:25-1:100

Data



Immunofluorescence analysis of Mouse LILRB3 in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse LILRB3 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).



Flow cytometric analysis of Mouse LILRB3(CD85a) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse LILRB3(CD85a), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Leukocyte immunoglobulin-like receptor subfamily B member 3, also known as Leukocyte immunoglobulin-like receptor 3, Immunoglobulin-like transcript 5, Monocyte inhibitory receptor HL9, CD85 antigen-like family member A, CD85a and LILRB3, is a single-pass type I membrane protein that belongs to the leukocyte receptor cluster (LRC) present on 19q13.4. LILRB3/CD85a contains four Ig-like C2-type (immunoglobulin-like) domains. LILRB3/CD85a contains three copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in the modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. LILRB3/CD85a 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.

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