abcam

Product datasheet

FITC Anti-ILT-4 antibody [27D6] ab95819

1 Image

Overview

Product name	FITC Anti-ILT-4 antibody [27D6]
Description	FITC Rat monoclonal [27D6] to ILT-4
Host species	Rat
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Normal Human peripheral blood cells
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: BSA, Gelatin, PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	27D6
Isotype	IgM

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95819 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10^6 cells. **ab35774** - Rat monoclonal IgM, is suitable for use as an isotype control with this antibody.

Target

Function Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. Involved in the down-regulation of the immune response and the development of tolerance. Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

Tissue specificity Expressed on monocytes and B-cells, and at lower levels on dendritic cells. Detected at low levels in natural killer (NK) cells.

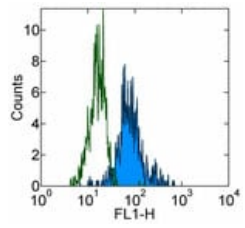
Sequence similarities Contains 4 Ig-like C2-type (immunoglobulin-like) domains.

Domain Contains 3 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.

Post-translational modifications Phosphorylated on tyrosine residues. Dephosphorylated by PTPN6.

Cellular localization Membrane.

Images



Flow Cytometry - FITC Anti-ILT-4 antibody [27D6] (ab95819)

Staining of normal Human peripheral blood cells with Rat IgM ? Isotype Control FITC (open histogram) or ab95819 (filled histogram). Cells in the monocyte gate were used for analysis.

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