abcam

Product datasheet

Anti-CD1b+c antibody [B-B5] ab27296

1 References 1 Image

Overview

Product name	Anti-CD1b+c antibody [B-B5]
Description	Mouse monoclonal [B-B5] to CD1b+c
Host species	Mouse
Specificity	This antibody recognises CD1b+c proteins.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Thymus cells and Jurkat cell line.
General notes	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Ascites
Purification notes	Purified from ascites.
Clonality	Monoclonal
Clone number	B-B5
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab27296 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		

Application notes

Flow Cyt: Use 10µl for 10^6 cells or 100µl of whole blood.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

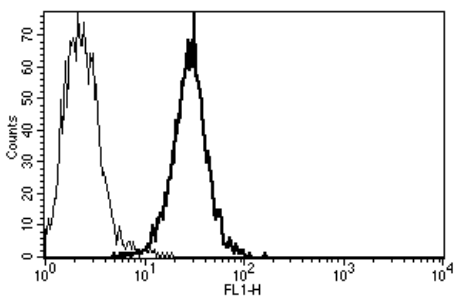
Relevance

CD1B and CD1C are members of the CD1 family of major histocompatibility (MHC)-like glycoproteins. CD1 proteins mediate the presentation of lipid and glycolipid antigens to T cells. The CD1B protein localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. The human genome contains five CD1 family genes, clustered on chromosome 1. CD1 family members are thought to differ in their cellular localization and specificity for lipid ligands.

Cellular localization

Single-pass type I membrane protein.

Images



Flow Cytometry - Anti-CD1b+c antibody [B-B5] (ab27296)

A typical staining pattern with the B-B5 monoclonal antibody of Molt 4 cell line Ab27296, at a dilution of 10µl for 10^6 cells or 100 µl of whole blood, staining CD1b+c by Flow Cytometry.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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