abcam

Product datasheet

Anti-CD3 antibody [B-B11] (Biotin) ab27331

1 References 1 Image

Overview

Product name	Anti-CD3 antibody [B-B11] (Biotin)
Description	Mouse monoclonal [B-B11] to CD3 (Biotin)
Host species	Mouse
Conjugation	Biotin
Specificity	This antibody is specific for CD3.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	PHA activated T cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, PBS
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	B-B11
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab27331** in the following tested applications.

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

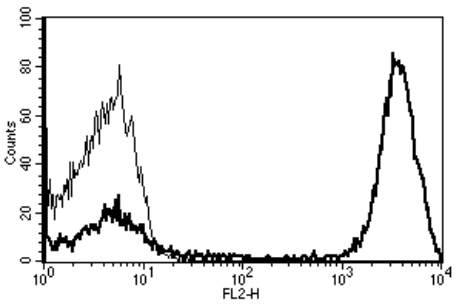
Application	Abreviews	Notes
Flow Cyt		

Application notes	Flow Cyt: Use 10 µl to label 10^6 cells or 100 µl of whole blood. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

Target

Function	The CD3 complex mediates signal transduction.
Involvement in disease	Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)/B(+)/NK(+) SCID) [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.
Sequence similarities	Contains 1 ITAM domain.
Cellular localization	Membrane.

Images



Flow Cytometry / FACS - CD3 antibody [B-B11] (Biotin) (ab27331)

Ab27331, staining CD3 by FACS.

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