

Product datasheet

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

1 References 1 Image

Overview

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

Properties

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

**Application notes** Flow Cyt: Use 10 µl to label 10<sup>6</sup> 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.

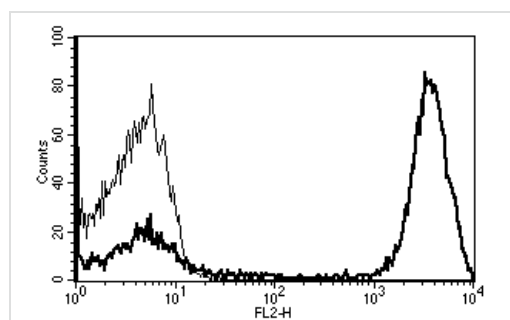
### Sequence similarities

Contains 1 ITAM domain.

### Cellular localization

Membrane.

## Images



Ab27331, staining CD3 by FACS.

Flow Cytometry / FACS - CD3 antibody [B-B11]

(Biotin) (ab27331)

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