

## Product datasheet

# Anti-CD3 antibody [B355.1 (RIV-9)] ab8671

### 5 References

#### Overview

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<b>Product name</b>	Anti-CD3 antibody [B355.1 (RIV-9)]
<b>Description</b>	Mouse monoclonal [B355.1 (RIV-9)] to CD3
<b>Specificity</b>	This antibody reacts with 5 invariable CD3 chains: CD3y or gp26 CD3d or gp20 CD3e or gp20 CD3f or p16 (homodimer) CD3n or p28 This antibody reacts mainly with T-cells including thymocytes, mature T-cells and T-cell lines
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-Fr, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Human peripheral lymphocytes.
<b>Positive control</b>	Tonsil, thymus or spleen.

#### Properties

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<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>	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B355.1 (RIV-9)
<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG3
<b>Light chain type</b>	unknown

#### Applications

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Our [Abpromise guarantee](#) covers the use of **ab8671** 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 1-5µg for 10 <sup>6</sup> cells. This product was not quality controlled in flow cytometry
		<a href="#">ab91537</a> -Mouse monoclonal IgG3, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use a concentration of 5 - 20 µg/ml. Fix with acetone and use an avidin/biotin system.
WB		Use a concentration of 1 - 5 µg/ml.

## 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.

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