abcam

Product datasheet

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

5 References

Overview

Product name	Anti-CD3 antibody [B355.1 (RIV-9)]
Description	Mouse monoclonal [B355.1 (RIV-9)] to CD3
Host species	Mouse
Specificity	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
Tested applications	**Suitable for:** Flow Cyt, IHC-Fr, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Human peripheral lymphocytes.
Positive control	Tonsil, thymus or spleen.

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

Applications

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 10^6 cells. This product was not quality controlled in flow cytometry ab91537 - 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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