

Product datasheet

PE/Cy5® Anti-CD3 antibody [UCHT1], prediluted
ab157300

5 References 1 Image

Overview

Product name	PE/Cy5® Anti-CD3 antibody [UCHT1], prediluted
Description	PE/Cy5® Mouse monoclonal [UCHT1] to CD3, prediluted
Host species	Mouse
Conjugation	PE/Cy5®. Ex: 496nm, Em: 670nm
Tested applications	Suitable for: Flow Cyt (Intra), Flow Cyt
Species reactivity	Reacts with: Rat, Human
Immunogen	Tissue, cells or virus corresponding to Human CD3. Human thymocytes followed by Sezary T cells.
Epitope	ab157300 reacts with the epsilon chain of the CD3 complex.
Positive control	Flow Cytometry: human peripheral blood cells. Flow Cyt (Intra): Human blood cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: 99% PBS, 0.2% BSA
Purity	Size exclusion
Purification notes	Purified antibody is conjugated with tandem dye PE/Cy5® under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Clonality	Monoclonal
Clone number	UCHT1
Isotype	IgG1

Applications

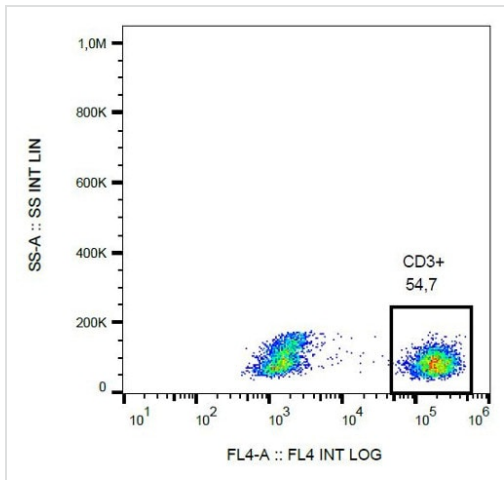
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab157300 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use 4µl for 10 ⁶ cells. (or 100 µl of whole blood). ab67435 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
Flow Cyt		Use 4µl for 10 ⁶ cells. (or 100 µl of whole blood). ab67435 - Mouse monoclonal IgG1, is suitable for use as an

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



Surface staining of human peripheral blood cells with anti-human CD3 (UCHT1) PE-CyTM5.

Flow Cytometry - PE/Cy5® Anti-CD3 antibody
[UCHT1], prediluted (ab157300)

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

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