

Product datasheet

PerCP/Cy5.5® Anti-CD19 antibody [SJ25C1], prediluted ab155357

[1 Image](#)

Overview

Product name	PerCP/Cy5.5® Anti-CD19 antibody [SJ25C1], prediluted
Description	PerCP/Cy5.5® Mouse monoclonal [SJ25C1] to CD19, prediluted
Host species	Mouse
Conjugation	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
Positive control	Normal Human peripheral 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	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.2% BSA, 99% PBS</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	SJ25C1
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155357 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 5µl for 10 ⁶ cells. ab157226 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Involvement in disease

Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) [MIM:613493]; also called antibody deficiency due to CD19 defect. CVID3 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.

Sequence similarities

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

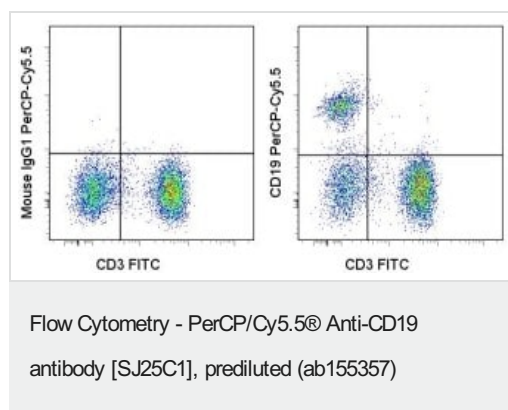
Post-translational modifications

Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR.
Phosphorylated on tyrosine following B-cell activation.

Cellular localization

Membrane.

Images



Flow cytometric analysis of normal Human peripheral blood cells with Anti-Human CD3 FITC and mouse IgG1 kappa Isotype Control PerCP-Cy5.5 (left) or ab155357 (right). Cells in the lymphocyte gate were used for analysis.

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

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