

Product datasheet

Biotin Anti-CD20 antibody [2H7] ab123487

[1 References](#) [1 Image](#)

Overview

Product name	Biotin Anti-CD20 antibody [2H7]
Description	Biotin Mouse monoclonal [2H7] to CD20
Host species	Mouse
Conjugation	Biotin
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD20. Human tonsillar B 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 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: 99% PBS
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions.
Clonality	Monoclonal
Clone number	2H7
Isotype	IgG2b

Applications

Applications

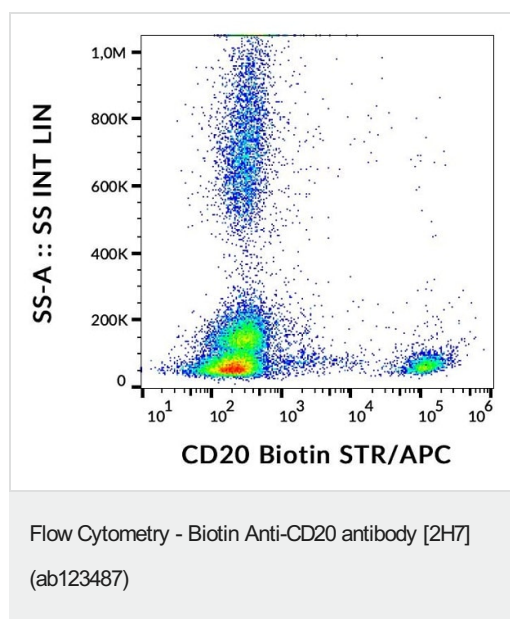
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab123487 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab18418 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target

Function	This protein may be involved in the regulation of B-cell activation and proliferation.
Tissue specificity	Expressed on B-cells.
Involvement in disease	Defects in MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5) [MIM:613495]; also called antibody deficiency due to CD20 defect. CVID5 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	Belongs to the MS4A family.
Post-translational modifications	Phosphorylated. Might be functionally regulated by protein kinase(s).
Cellular localization	Membrane.

Images



Flow cytometry of human peripheral blood cells with ab123487 at 4 $\mu\text{g/ml}$

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