

Product datasheet

PerCP Anti-CD20 antibody [2H7] ab114860

2 References 1 Image

Overview

Product name	PerCP Anti-CD20 antibody [2H7]
Description	PerCP Mouse monoclonal [2H7] to CD20
Host species	Mouse
Conjugation	PerCP. Ex: 482nm, Em: 675nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human, Non human primates
Immunogen	Tissue, cells or virus corresponding to Human CD20. Human tonsillar B cells.
Positive control	Flow Cyt: Human peripheral blood cells.
General notes	<p>The mouse monoclonal antibody 2H7 recognizes CD20 (B1, Bp35), a 33-37 kDa non-glycosylated membrane receptor with four transmembrane domains, expressed on pre-B lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes.</p> <p>Purified antibody is conjugated with Peridinin-chlorophyll-protein complex (PerCP) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.</p> <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: 7.4</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 99% PBS, 0.2% BSA</p>

Purity	Size exclusion
Primary antibody notes	The mouse monoclonal antibody 2H7 recognizes CD20 (B1, Bp35), a 33-37 kDa non-glycosylated membrane receptor with four transmembrane domains, expressed on pre-B lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes.
Clonality	Monoclonal
Clone number	2H7
Isotype	IgG2b

Applications

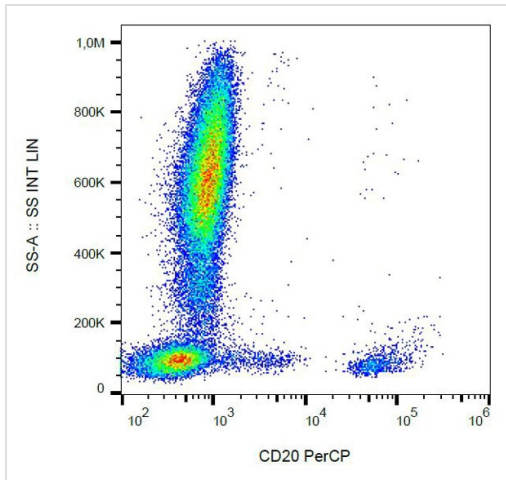
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Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. (or 100 µl of whole blood). ab172890 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

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



Surface staining of human peripheral blood with ab114860.

Flow Cytometry - PerCP Anti-CD20 antibody [2H7]
(ab114860)

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