

Product datasheet

Anti-CD20 antibody [2H7] (FITC) ab51792

1 Image

Overview

<b>Product name</b>	Anti-CD20 antibody [2H7] (FITC)
<b>Description</b>	Mouse monoclonal [2H7] to CD20 (FITC)
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to CD20.
<b>Epitope</b>	The epitope recognised by this antibody has been mapped to the following sequence which is found in the large extracellular loop of human CD20: YNCEPANPSEKNSPST

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle. Do Not Freeze. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2H7
<b>Isotype</b>	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab51792** in the following tested applications.

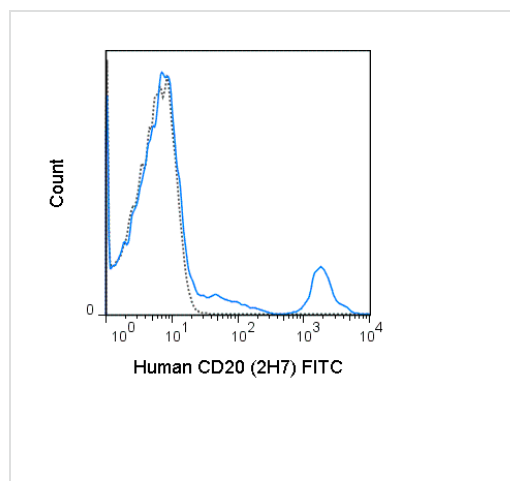
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 <sup>5-8</sup> cells. The antibody has been diluted for use at 5 µl (0.25 µg) per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µl.

## Target

<b>Function</b>	This protein may be involved in the regulation of B-cell activation and proliferation.
<b>Tissue specificity</b>	Expressed on B-cells.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the MS4A family.
<b>Post-translational modifications</b>	Phosphorylated. Might be functionally regulated by protein kinase(s).
<b>Cellular localization</b>	Membrane.

## Images



Flow cytometry analysis showing human peripheral blood lymphocytes stained with ab51792 (solid line) and isotype control antibody was FITC Mouse IgG2b (dashed line).

Flow Cytometry - Anti-CD20 antibody [2H7] (FITC) (ab51792)

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

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