

Datasheet for ABIN6655313
anti-CD20 antibody (FITC)



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Overview

Quantity:	500 µL
Target:	CD20 (MS4A1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD20 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	CD20 Fluorescein Antibody
Immunogen:	Anti-CD20 Antibody (Monoclonal) was produced by repeated immunizations with CD20 antigen.
Clone:	2H7
Isotype:	IgG2b kappa
Cross-Reactivity (Details):	Reactivity is observed against human CD20, Chimpanzee, Baboon, Cynomolgus, Rhesus, Pigtailed Macaque, Capuchin Monkey, and Squirrel Monkey.
Purification:	Fluorescein conjugated CD20 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD20.
Sterility:	Sterile filtered
Labeling Ratio:	4-6

Target Details

Target: CD20 (MS4A1)

Alternative Name: CD20 ([MS4A1 Products](#))

Background: Synonyms: B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, CD20
Background: CD20 is a 33-37 kD, four transmembrane spanning protein, also known as B1 and Bp35. CD20 is expressed on pre-B-cells, resting and activated B cells (not plasma cells), some follicular dendritic cells, and at low levels on a T cell subset. CD20 is heavily phosphorylated on activated B cells and malignant B cells. Homo-oligomeric complexes of CD20 are thought to form Ca²⁺ conductive ion channels in the plasma membrane of B cells. The CD20 Molecule is involved in B-cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn). It exists in a complex with MHC class I and II, CD53, CD81, and CD82.
Gene Name: MS4A1

Gene ID: 931

NCBI Accession: [NP_068769](#)

UniProt: [P11836](#)

Application Details

Application Notes: Immunoprecipitation_Dilution: User Optimized
Immunohistochemistry_Dilution: User Optimized
Flow_Cytometry_Dilution: 5 µL/1x10⁶ cells or 100µL of whole blood

Comment: Anti-CD20 is tested for Flow Cytometry and is useful for Immunoprecipitation and Immunohistochemistry. Researchers should determine optimal titers for applications that are not stated.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 0.2 % BSA (w/v)
Preservative: 0.09 % (w/v) Sodium Azide

Preservative: Sodium azide

Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.

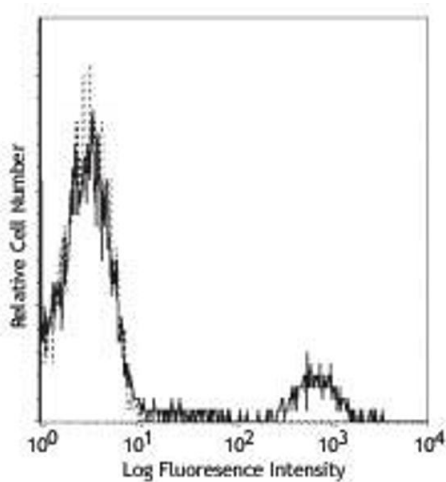
Expiry Date: 6 months

Publications

Product cited in: Tedder, Engel: "CD20: a regulator of cell-cycle progression of B lymphocytes." in: **Immunology today**, Vol. 15, Issue 9, pp. 450-4, (1994) ([PubMed](#)).

Hultin, Hausner, Hultin, Giorgi: "CD20 (pan-B cell) antigen is expressed at a low level on a subpopulation of human T lymphocytes." in: **Cytometry**, Vol. 14, Issue 2, pp. 196-204, (1993) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow Cytometry - Mouse anti-CD20 FITC Flow Cytometry of Mouse anti-CD20 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) FITC Mouse IgG2b kappa isotype control; (Solid Line) Fluorescein Anti-CD20 mouse antibody using 5 ul.