

Datasheet for ABIN1724682

anti-CD20 antibody



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Overview

Quantity:	100 µL
Target:	CD20 (MS4A1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD20 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	CD20 Antibody
Immunogen:	Synthetic peptide corresponding to aa (EPANPSEKNSPSTQY) of human CD20, conjugated to KLH.
Sequence:	EPANPSEKNS PSTQY
Clone:	3E9D3C1G3
Isotype:	IgG
Purification:	Ascitic fluid

Target Details

Target:	CD20 (MS4A1)
Alternative Name:	CD20 (MS4A1 Products)

Target Details

Background: CD20 (MS4A1, membrane-spanning 4-domains, subfamily A, member 1) is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. The CD20 antigen is present on human pre B lymphocytes and on B lymphocytes at all stages of maturation, except on plasma cells. Low level expression of the CD20 antigen has been detected on normal T lymphocytes. The CD20 Molecule is involved in regulation of B cell differentiation, presumably via its reported function as a Ca⁺⁺ channel subunit. And it is known to accelerate the G0 to G1 progression induced by IGF-1.

Gene ID: 931

UniProt: [P11836](#)

Application Details

Application Notes: ELISA: 1/10000
ICC: 1/200 - 1/1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

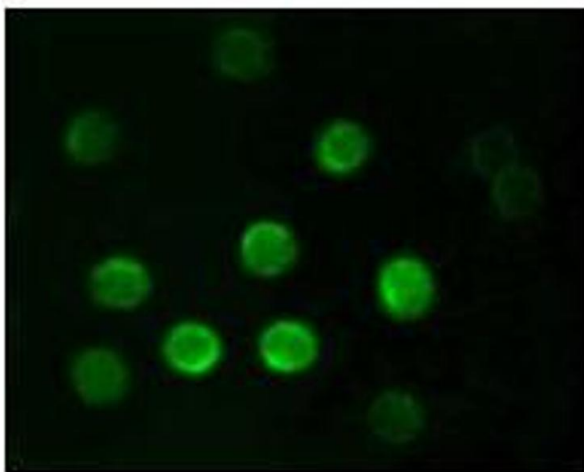
Publications

Product cited in: Byar: "Educating patients about radioimmunotherapy with yttrium 90 ibritumomab tiuxetan (Zevalin)." in: **Seminars in oncology nursing**, Vol. 20, Issue 1 Suppl 1, pp. 20-5, (2004) ([PubMed](#)).

Reiners, Hansen, Krüssmann, Schön, Csernok, Gross, Engert, Von Strandmann: "Selective killing

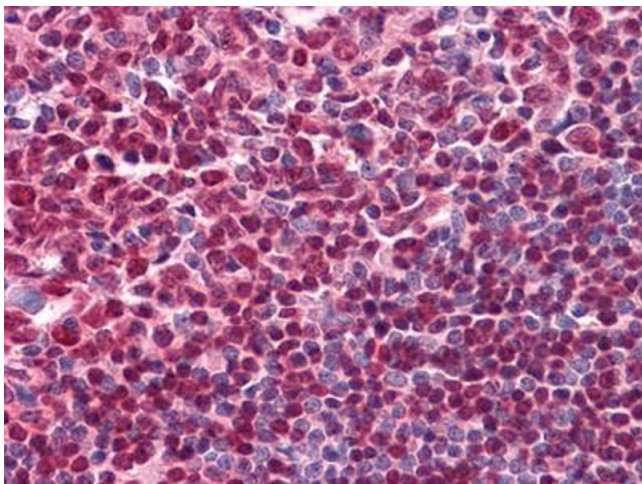
of B-cell hybridomas targeting proteinase 3, Wegener's autoantigen." in: **Immunology**, Vol. 112, Issue 2, pp. 228-36, (2004) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of B lymphocytes using CD20 mouse mAb.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human Tonsil tissues using CD20 mouse mAb.