CD19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD19, Polyclonal Antibody
Full Product Name	CD19 Rabbit pAb
Product Gene Name	anti-CD19 antibody
Product Synonym Names	B4; CVID3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	95kDa
OMIM	107265
3D Structure	ModBase 3D Structure for P15391
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 351-556 of human CD19 (NP_001761.3).
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD19 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CD19 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-CD19 antibody	Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Other Notes	Small volumes of anti-CD19 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD19 purchase	MBS8545006 is an antibody targeting CD19. Also known as CD19 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD19. It may not necessarily be applicable to this product.

NCBI GI #	296010921
NCBI GeneID	930
NCBI Accession #	NP_001171569.1

UniProt Primary Accession #	P15391
UniProt Related Accession #	P15391
GenBank Nucleotide #	NP_001171569.1
NCBI Official Full Name	B-lymphocyte antigen CD19 isoform 1
NCBI Official Synonym Full Names	CD19 molecule
NCBI Official Symbol	CD19
NCBI Official Synonym Symbols	B4; CVID3
UniProt Protein Name	B-lymphocyte antigen CD19
UniProt Synonym Protein Names	B-lymphocyte surface antigen B4; Differentiation antigen CD19; T-cell surface antigen Leu-12
Protein Family	B-lymphocyte antigen
UniProt Gene Name	CD19
UniProt Entry Name	CD19_HUMAN
NCBI Protein Information	B-lymphocyte antigen CD19
NCBI Summary for CD19	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008]
UniProt Comments for CD19	CD19: a cell surface molecule which assembles with the antigen receptor of B lymphocytes. A critical signal transduction molecule that regulates B lymphocyte development, activation, and differentiation. Ligation increases intracellular calcium levels and decreases the threshold for antigen receptor signaling. Germinal center formation is significantly reduced in CD19-deficient mice. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: protein complex; integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: receptor signaling protein activity Biological Process: epidermal growth factor receptor signaling pathway; B cell receptor signaling pathway; regulation of immune response; cell surface receptor linked signal transduction; fibroblast growth factor receptor signaling pathway; phosphoinositide-mediated signaling; nerve growth factor receptor signaling pathway; cellular defense response; innate immune response; positive regulation of release of sequestered calcium ion into cytosol Disease: Immunodeficiency, Common Variable, 2; Immunodeficiency, Common Variable, 3
Research Articles on CD19	**1.** Authors semi-quantitatively classified baseline expression of sCD19 and sCD22 in a large cohort of pediatric B-ALL. Dim CD19 and negative CD22 cases were correlated with common genetic abnormalities.
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