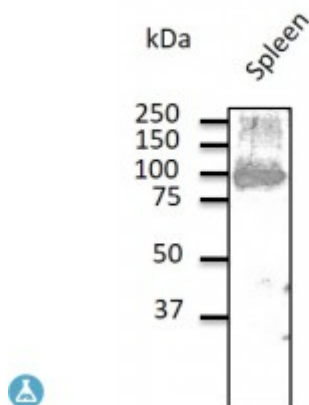


Anti-CD19 antibody



Description

Goat polyclonal antibody to CD19. CD19 is a type I transmembrane glycoprotein with 2 C-type Ig domains and multiple phosphorylation sites on long cytoplasmic domain. It is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor- dependent stimulation. It is a major B lineage marker.

Model	STJ140024
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	WB
Immunogen	Purified recombinant peptide within residues 510 aa to the C-terminus of human CD19 produced in E. coli.
Immunogen Region	C-Term
Gene ID	930
Gene Symbol	CD19
Dilution range	Western blot 1:500-1:2,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).
Protein Name	B-lymphocyte antigen CD19 B-lymphocyte surface antigen B4 Differentiation antigen CD19 T-cell surface antigen Leu-12 CD antigen CD19

Molecular Weight	62 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:1633OMIM:107265
Alternative Names	B-lymphocyte antigen CD19 B-lymphocyte surface antigen B4 Differentiation antigen CD19 T-cell surface antigen Leu-12 CD antigen CD19
Function	Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Cellular Localization	Membrane. Single-pass type I membrane protein.
Post-translational Modifications	Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation. Phosphorylated on tyrosine residues by LYN. {ECO:0000269 PubMed:10706702, ECO:0000269 PubMed:7687428, ECO:0000269 PubMed:7687539}.