

CD21 Polyclonal Antibody

Catalog No :	YT5582
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	CD21
Fields :	>>Complement and coagulation cascades;>>Hematopoietic cell lineage;>>B cell receptor signaling pathway;>>Epstein-Barr virus infection
Gene Name :	CR2
Protein Name :	Complement receptor type 2
Human Gene Id :	1380
Human Swiss Prot No :	P20023
Mouse Swiss Prot No :	P19070
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human CR2. AA range:381-430
Specificity :	CD21 Polyclonal Antibody detects endogenous levels of CD21 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	115kD
Cell Pathway :	Complement and coagulation cascades;Hematopoietic cell lineage;B_Cell_Antigen;
Background :	This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009],
Function :	disease:Genetic variations in CR2 are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9) [MIM:610927]. Systemic lupus erythematosus (SLE) is a chronic autoimmune disease with a complex genetic basis. SLE is an inflammatory, and often febrile multisystemic disorder of connective tissue characterized principally by involvement of the skin, joints, kidneys, and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,function:Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation.,similarity:Belongs to the receptors of complement activation (RCA) family.,similarity:Contains 15 Sushi (CCP/SCR) domains.,tissue specificity:Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein.
Expression :	Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen.
Sort :	3464
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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