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Anti-CD20 Rabbit pAb (A73001)

Catalog No.: A73001

Basic Information

Catalog No. (Cat.No.)	A73001
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,ICC/IF,ELISA
Synonyms	CD20,B1,S7,Bp35,CD20,FMC7,CVID5,LEU-16

Product Information

Target	CD20
Molecular Weight(Calculated)	33 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:2000
ICC/IF	1:100-1:500
ELISA	1:5000-1:20000

Target Information

Protein Name	B-lymphocyte antigen CD20
Gene Name	*MS4A1*
Domain	NA
Background	CD20 (B-lymphocyte surface antigen CD20, MS4A1) is a MS4A-family transmembrane protein that modulates B-lymphocyte activation and proliferation. CD20 is expressed from pre-B cell to mature B-cell stages and down-regulated upon plasma cell differentiation. Located on plasma membrane, CD20 modulates calcium flux and participates in B-cell receptor signaling network to shape B-cell activation and cell-cycle progression. Absent from hematopoietic stem cells, CD20 targeting depletes mature B-cells while sparing B-cell progenitors. CD20 represents a well-validated therapeutic target for B-cell lymphoma and autoimmune diseases. It is also widely used as biomarker for flow cytometry and IHC in B-cell neoplasm classification and B-cell status evaluation in autoimmune disorders.