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Built Around Immunology

Anti-CD20 Rabbit mAb [10H52]

Catalog No.: A52051

Basic Information

Catalog No. (Cat.No.)	A52051
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	CD20,Bp35,Bp39,MB-5

Product Information

Target	CD20
Molecular Weight(Calculated)	33 kDa
Molecular Weight(Observed)	36 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	10H52
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 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	1:1000-1:5000
IHC	1:500-1:1000
IP	1:50-1:200
IF	1:200-1:1000
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.