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Anti-CD21 Rabbit mAb [26A43]

Catalog No.: A52053

Basic Information

Catalog No. (Cat.No.)	A52053
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	CD21,HEB,EBV R,C3D2R

Product Information

Target	CD21
Molecular Weight(Calculated)	113 kDa
Molecular Weight(Observed)	155 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	26A43
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	1:1000-1:4000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Complement C3d receptor 2
Gene Name	*CR2*
Domain	NA
Background	CD21 (Complement receptor 2, CR2) is a member of complement control protein family and mediates complement fragment recognition as well as B-cell co-stimulation. Mainly expressed on mature B-lymphocytes and follicular dendritic cells, CD21 binds complement cleavage product C3d and assembles with CD19-CD81 co-receptor complex to lower B-cell activation threshold, amplify BCR signaling and promote B-cell proliferation and memory B-cell generation. Follicular dendritic cell-resident CD21 captures complement-coated antigens to support antigen presentation and immune memory maintenance. CD21 contributes to humoral immunity; its dysregulated expression correlates with autoimmune disorders and B-cell malignancies. It is applied for B-cell subset identification, follicular dendritic cell labeling, lymphoid tissue pathology and immune-response mechanistic research.