Ablumir
Built Around Immunology

Anti-CD19 Rabbit mAb [14G68]

Catalog No.: A52050

Basic Information

Catalog No. (Cat.No.)	A52050
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	CD19,B4,Bp50,BPI,B-lyc

Product Information

Target	CD19
Molecular Weight(Calculated)	NA
Molecular Weight(Observed)	110 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	14G68
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

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	B-lymphocyte antigen CD19
Gene Name	*CD19*
Domain	NA
Background	CD19 (B-lymphocyte antigen CD19) belongs to immunoglobulin superfamily and acts as co-regulator for B-cell receptor signaling. CD19 exhibits B-lineage-restricted expression from early B-cell progenitors up to pre-plasma cell stage. As BCR co-receptor, CD19 assembles with CD21 and CD81 to amplify BCR downstream signaling cascades, governing B-cell proliferation, differentiation and antibody production to sustain humoral immunity. CD19 deficiency leads to impaired humoral immune response. B-cell malignancies including B-ALL and diffuse large B-cell lymphoma frequently retain CD19 expression, making it a canonical target for CAR-T therapy. CD19 is applied for B-lymphocyte subset profiling, B-cell-associated hematological malignancy diagnosis and immunological research.