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Anti-CD3 Rabbit mAb [91F79]

Catalog No.: A52058

Basic Information

Catalog No. (Cat.No.)	A52058
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	CD3,CD3 complex,T3 complex,TCR-CD3 complex

Product Information

Target	CD3
Molecular Weight(Calculated)	23 kDa
Molecular Weight(Observed)	23 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	91F79
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	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	T-cell receptor CD3 complex
Gene Name	*CD3D,CD3E,CD3G,CD247*
Domain	NA
Background	CD3 (T-cell surface glycoprotein CD3 complex) belongs to immunoglobulin superfamily and serves as the core transducer for T-cell receptor signaling. Assembled from γ, δ, ε and ζ subunits, CD3 is restrictively expressed on T-cell lineage and forms TCR-CD3 complex with T-cell receptor. Upon TCR recognition of antigen-MHC complex, intracellular ITAM motifs of CD3 become phosphorylated and relay downstream activation signals to trigger T-cell proliferation, cytokine secretion and cytotoxic effector functions. CD3 is a universal marker for all mature T lymphocytes to discriminate T-cells from other immune populations.