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Built Around Immunology

Anti-CD3 Mouse mAb [65D01]

Catalog No.: A32014

Basic Information

Catalog No. (Cat.No.)	A32014
Host species	Mouse
Reactivity	Human
Applications	IHC,ELISA
Synonyms	CD3,CD3 complex,T3 complex,TCR-CD3 complex

Product Information

Target	CD3
Molecular Weight(Calculated)	23 kDa
Molecular Weight(Observed)	NA
Isotype	IgG2a,Kappa
Conjugation	NA
Concentration	Please check the information on the tube.
Clonality	Monoclonal
Clone No.	65D01
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
IHC	1:50-1:200
ELISA	1:500-1:5000

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.