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Anti-CD8α Rabbit mAb [40B01]

Catalog No.: A52065

Basic Information

Catalog No. (Cat.No.)	A52065
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	CD8α,CD8,T8,Lyt-2,CD8 alpha chain

Product Information

Target	CD8α
Molecular Weight(Calculated)	26 kDa
Molecular Weight(Observed)	35 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	40B01
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	CD8 molecule alpha chain
Gene Name	*CD8A*
Domain	NA
Background	CD8α (Cluster of differentiation 8 alpha) belongs to immunoglobulin superfamily and mediates MHC-I recognition and cytotoxic T-cell activation. CD8α forms heterodimer with CD8β and is predominantly expressed on cytotoxic $CD8^+$ T lymphocytes as well as subsets of NK cells. Acting as a co-receptor, it binds MHC-I-peptide complexes on target cells, stabilizes TCR-MHC interaction and recruits Lck tyrosine kinase to amplify TCR signaling. This drives CTL proliferation, granzyme-perforin release and target-cell killing.