Ablumir
Built Around Immunology

Anti-CD8α Rabbit pAb (A73005)

Catalog No.: A73005

Basic Information

Catalog No. (Cat.No.)	A73005
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ELISA
Synonyms	CD8α,CD8A,CD8,p32,Leu2

Product Information

Target	CD8α
Molecular Weight(Calculated)	26 kDa
Molecular Weight(Observed)	50 kDa
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
RRID	NA
Storage buffer	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	1:1000-1:2000
IHC	1:200-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	CD8A molecule
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.