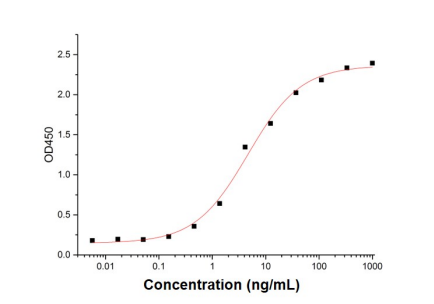
RecomAb™ | *In Vivo* Functional Grade Antibodies

CD3E recombinant monoclonal antibody

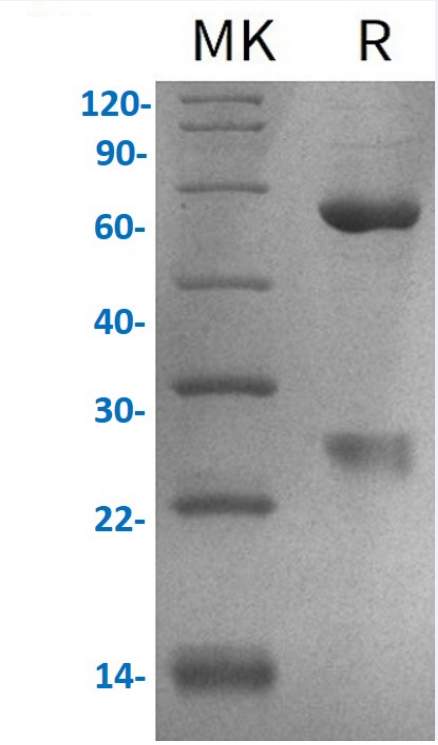
Catalog # RAB07825 Size 1 mg

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD3E-His at 10 ug/mL (100 uL/well) can bind Human Anti-CD3E mAb (Cat # RAB07825) . The ED_{50} of Recombinant Human Anti-CD3E mAb (Cat # RAB07824) is 3-15 ng/mL.



SDS-PAGE

Greater than 95% as determined by reducing SDS-PAGE.

Specification

Product Description	CD3E recombinant monoclonal antibody, IgG1 targeting Human Anti-CD3E recombinant protein.

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Antibody Species	Human
Theoretical MW (kDa)	50.1, 23.0
Reactivity	Crab-eating macaque, Human
Form	Liquid
Preparation Method	Mammalian cell expression system
Isotype	Human IgG1
Purity	≥ 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of the protein by the LAL method.
Form	Liquid
Isotype	IgG1
Storage Buffer	In PBS, pH 7.4
Sterility	0.2 um filtration
Storage Instruction	Store at -20°C, stable for 12 months after receipt. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD3E-His at 10 ug/mL (100 uL/well) can bind Human Anti-CD3E mAb (Cat # RAB07825) . The ED_{50} of Recombinant Human Anti-CD3E mAb (Cat # RAB07824) is 3-15 ng/mL.

Gene Info — CD3E

Entrez GeneID	916
Protein Accession#	P07766/Q95LI5
Gene Name	CD3E
Gene Alias	FLJ18683, T3E, TCRE
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)
Omim ID	186830

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq
Other Designations	CD3-epsilon|CD3E antigen, epsilon polypeptide|CD3e antigen, epsilon polypeptide (TiT3 complex)|T-cell antigen receptor complex, epsilon subunit of T3|T-cell surface antigen T3/Leu-4 epsilon chain|T-cell surface glycoprotein CD3 epsilon chain

Gene Info — CD3E

Entrez GeneID	699467
Protein Accession#	P07766/Q95LI5
Gene Name	CD3E
Gene Alias	-
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)
Gene Ontology	Hyperlink
Gene Summary	-
Other Designations	-

Pathway

- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- Asthma
- Cardiovascular Diseases

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- Celiac Disease
- Depressive Disorder
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Inflammation

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