

RP01178

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Recombinant Human CD3 epsilon Protein

Catalog No.: RP01178

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	916	P07766

Tags

C-His

Synonyms

CD3E;IMD18;T3E;TCRE;CD3e molecule

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 90 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description

Recombinant Human CD3 epsilon Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asp126) of Human CD3 epsilon (Accession #NP_000724.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100 μL/well) can bind recombinant Human CD3E, the EC₅₀ of Human CD3E is 0.48 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

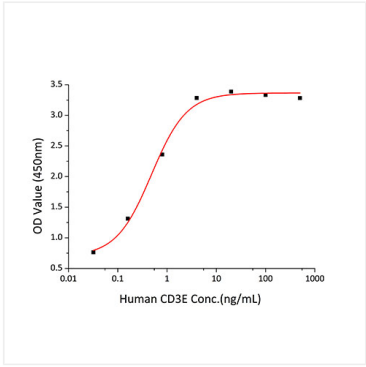
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Contact

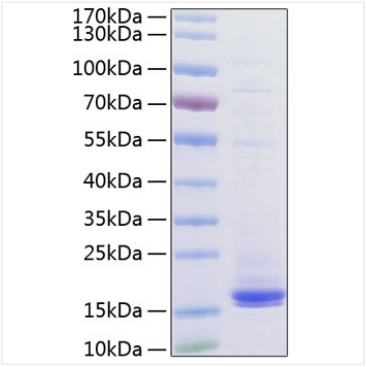


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Validation Data



Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100μL/well) can bind recombinant Human CD3E, the EC₅₀ of Human CD3E is 0.48ng/mL.



Recombinant Human CD3 epsilon Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.