Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Human CD3 epsilon Protein

Catalog No.: RP01178 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	916	P07766

Tags
C-His

Synonyms
CD3E;IMD18;T3E;TCRE;CD3e molecule

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
15.00 kDa	15-25 kDa

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
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.

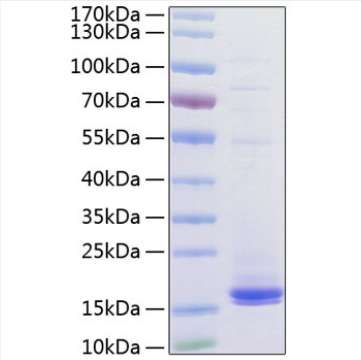
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100 μL/well) can bind recombinant Human CD3E, the EC_{50} of Human CD3E is 0.48 ng/mL.

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

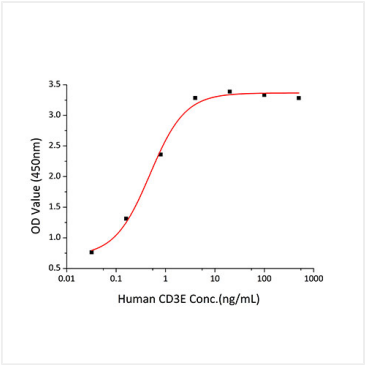
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

Validation Data



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



Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100μL/well) can bind recombinant Human CD3E, the EC_{50} of Human CD3E is 0.48ng/mL.