

Active Recombinant Mouse CD3E & CD3G protein, His-Flag-tagged, Low Endotoxin

Cat. No. CD3E & CD3G-3038M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD3E & CD3G protein(P22646(CD3E) & P11942(CD3G))(22-108 aa(CD3E) & 23-116 aa(CD3G)), fused with C-terminal His tag and Flag tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-108 aa(CD3E) & 23-116 aa(CD3G)
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse CD3E&CD3G, His Tag at 1µg/ml(100µl/well) on the plate. Dose response curve for Anti-CD3E Antibody (145-2C11), mFc Tag with the EC50 of 49.4ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 15.34 kDa (CD3E) and 15.73 kDa (CD3G). Due to glycosylation, the protein migrates to 18-23 kDa and 25-27 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name Cd3e CD3 antigen, epsilon polypeptide [*Mus musculus*]

Official Symbol CD3E

Synonyms CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; AI504783; CD3epsilon;

Gene ID 12501

mRNA Refseq NM_007648

Protein Refseq NP_031674

Gene Name 2 Cd3g CD3 antigen, gamma polypeptide [*Mus musculus*]

Official Symbol 2 CD3G

Synonyms 2 CD3G; CD3 antigen, gamma polypeptide; T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; T3g; Ctg3; Ctg-3;

Gene ID 2 12502

 Tel: 1-631-559-9269 1-516-512-3133

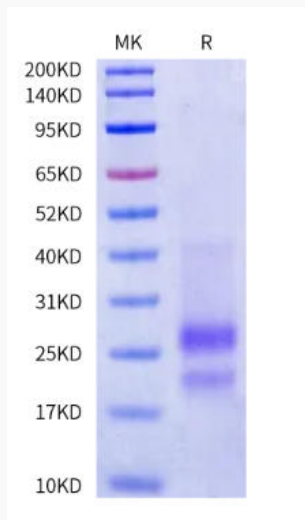
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

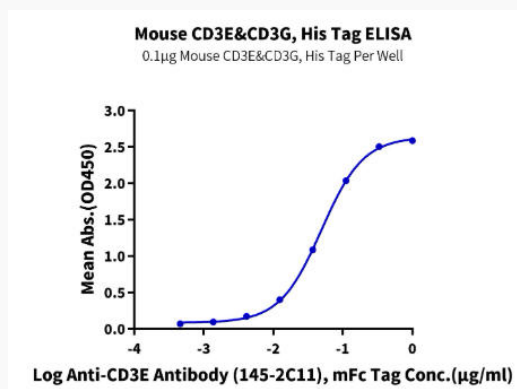
mRNA Refseq 2 NM_009850

Protein Refseq 2 NP_033980

Bis-Tris PAGE



ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA