

## Active Recombinant Cynomolgus CD3E & CD3G protein, His-Avi&Flag-tagged, Biotinylated

**Cat. No.** CD3E & CD3G-3037C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Cynomolgus CD3E&CD3G protein(Gln 22-Asp 117 (CD3E) & Gln 23-Thr 113 (CD3G)), fused with His-Avi and Flag tag, was expressed in HEK293.                                                                                                                                                                                                                                                |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Gln 22-Asp 117 (CD3E) & Gln 23-Thr 113 (CD3G)                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                                                                                                                                                                                                         |
| <b>Bio-activity</b>     | Immobilized Bispecific T cell Engager (CD3 X BCMA) at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag with a linear range of 0.98-15.6 ng/mL.Immobilized Bispecific T cell Engager (CD3 X BCMA) at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag with a linear range of 0.98-15.6 ng/mL. |
| <b>Molecular Mass</b>   | Biotinylated Cynomolgus CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 17.7 kDa (CD3E) and 15.4 kDa (CD3G). Subunit CD3E carries a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G is fused with a flag tag at the C-                                                                                   |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                       |                                                                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | terminus. As a result of glycosylation, the protein migrates as 19-20 kDa and 22-24 kDa under reducing (R) condition, and 35-40 kDa under non-reducing (NR) condition (SDS-PAGE).                                                                                                                   |
| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                          |
| <b>Purity</b>         | >90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.                                                                                                                                                                                                                                     |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                       |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                                              |