

# Active Recombinant Cynomolgus CD3E, His-tagged, Biotinylated

**Cat. No.** CD3E-274C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Cynomolgus CD3E Protein(Gln 22 - Asp 117), fused with His tag, was produced in human 293 cells (HEK293).                                                                                                                                                                      |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Gln 22 - Asp 117                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                             |
| <b>Bio-activity</b>     | Immobilize Cynomolgus CD3 epsilon, His Tag at 2 µg/mL, add increasing concentrations of Bispecific T cell Engager (CD3 X BCMA), and then add Biotinylated Human BCMA, Fc,Avitag at 0.2 µg/mL. Detection is performed using HRP-conjugated streptavidin. Binding occurs at a linear range of 1-5 ng/mL. |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 16.1 kDa. As a result of glycosylation, the protein migrates as 18-23 kDa under reducing (R) condition, and 33-40 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.                                                                                                                                                                                                                                                                        |

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>90% as determined by SEC-MALS.

**Storage**

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation**

Biotin

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