

## Recombinant Human CD3E protein, His-tagged

**Cat. No.** CD3E-213H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD3E protein(P07766)(Asp23-Asp126), fused with C-terminal His tag, was expressed in HEK293.                                                             |
| <b>Species</b>          | Human                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                    |
| <b>ProteinLength</b>    | Asp23-Asp126                                                                                                                                                              |
| <b>Tag</b>              | C-His                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                            |
| <b>Bio-activity</b>     | Immobilized Human CD3E, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-CD3 Antibody, hFc Tag with the EC50 of 9.0 ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 12.6 kDa. Due to glycosylation, the protein migrates to 15 kDa based on Tris-Bis PAGE result.                                           |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE                                                                                                                                      |

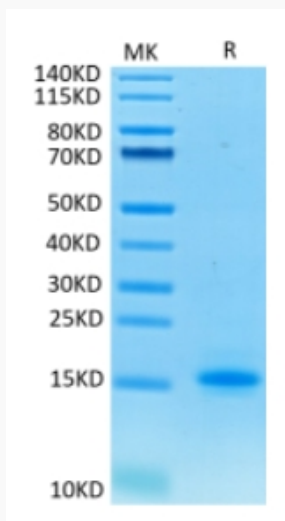
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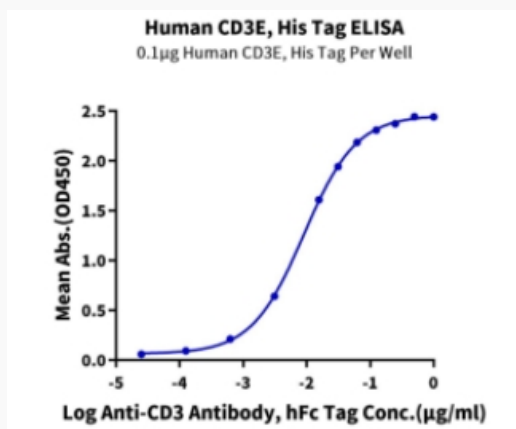
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|                         |                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                  |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | CD3E CD3e molecule, epsilon (CD3-TCR complex) [ Homo sapiens ]                                                                                                                                                                                                                            |
| <b>Official Symbol</b>  | CD3E                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683; |
| <b>Gene ID</b>          | 916                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_000733                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_000724                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | P07766                                                                                                                                                                                                                                                                                    |

## Tris-Bis PAGE



## ELISA Data



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