

## Biotinylated Recombinant Human CD3E&CD3D Protein (Primary Amine Labeling)

RPCB0669

### Protein Information

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<b>Size:</b>	100 µg	<b>Tag:</b>	C-His
<b>Reactivity:</b>	Human	<b>Expressed Host:</b>	-
<b>Calculated MW:</b>	17.9 kDa (CD3E), 16.7 kDa (CD3D)	<b>Observed MW:</b>	25-40 kDa

### Background

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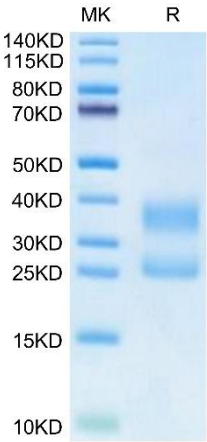
T-cell surface glycoprotein CD3 epsilon & CD3 delta chain, also known as CD3E & CD3D, are single-pass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.

### Properties

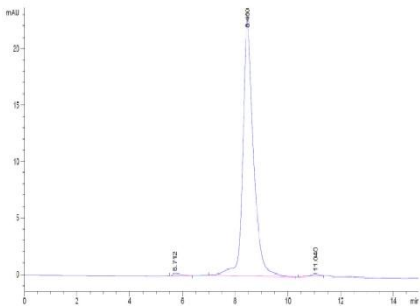
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<b>Synonyms:</b>	CD3, CD3e, CD3E, CD3d, T3D, CD3D, CD3E&CD3D, CD3 delta&CD3 epsilon
<b>Gene ID:</b>	916&915
<b>Endotoxin:</b>	< 1 EU/µg of the protein by LAL method.
<b>Description:</b>	High quality, high purity and low endotoxin recombinant Biotinylated Recombinant Human CD3E&CD3D Protein (Primary Amine Labeling) (RPCB0669), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
<b>Purity:</b>	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
<b>Storage:</b>	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Biotinylated Recombinant Human CD3E&CD3D Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human CD3E&CD3D is greater than 95% as determined by SEC-HPLC.