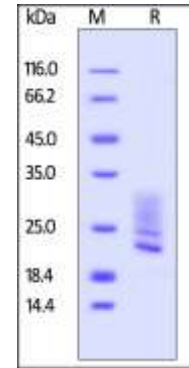


# Human CellExp™ CD3 epsilon & CD3 delta Heterodimer, Human Recombinant

<b>CATALOG NO:</b>	P1183-10	10 µg
<b>ALTERNATE NAMES:</b>	CD3E & CD3D, CD3 delta & CD3 epsilon, CD3 delta / epsilon	
<b>SOURCE:</b>	HEK 293 cells CD3E (Asp 23 - Asp 126) and CD3D Phe 22 - Ala 105)	
<b>PURITY:</b>	> 90% by SDS – PAGE	
<b>MOL. WEIGHT:</b>	The protein has a calculated MW of 16.7 kDa (CD3E) and 13.5 kDa (CD3D). The protein migrates as 22 kDa and 24-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1µg of protein (determined by LAL method)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month.	
<b>DESCRIPTION:</b>	T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&CD3E respectively, are single-pass type I membrane proteins. CD3D, together with CD3- epsilon (CD3E), CD3-gamma and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.	
<b>SPECIFIC ACTIVITY:</b>	Immobilized OKT3 MAb at 5 µg/mL (100 µL/well) can bind Human CD3E & CD3D, His Tag with a linear range of 0.625-5 µg/mL.	

A



B

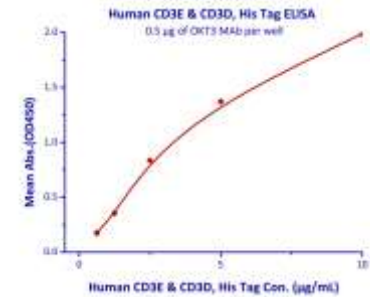


Fig. A. Human CD3E & CD3D, His Tag on SDS-PAGE under reducing (R) condition

Fig. B. Immobilized OKT3 MAb at 5 µg/mL (100 µL/well) can bind Human CD3E & CD3D, His Tag with a linear range of 0.625-5 µg/mL

## RELATED PRODUCT:

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant (Cat. No. 7448-10)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**