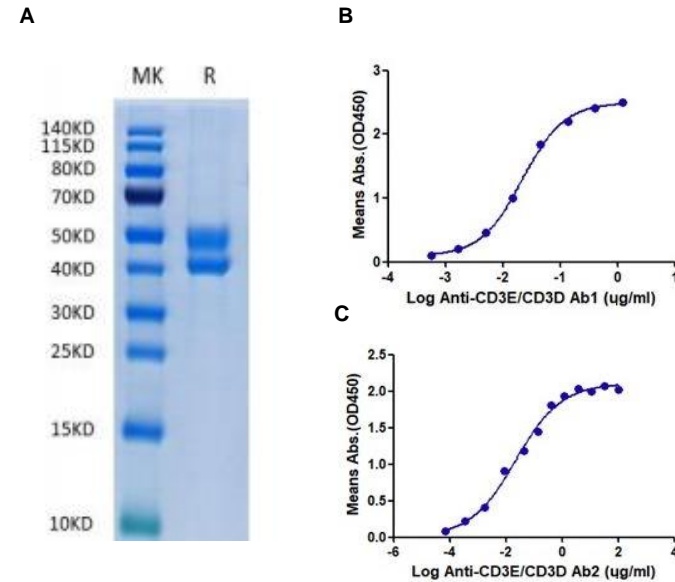


## Human CellExp™ CD3 epsilon & CD3 delta Heterodimer

<b>CATALOG NO:</b>	P1183-10	10 µg
<b>ALTERNATE NAMES:</b>	CD3E & CD3D, CD3 delta & CD3 epsilon, CD3 delta/epsilon	
<b>SOURCE:</b>	Expi293 cells	
<b>AMINO ACID SEQUENCE:</b>	Human CD3E (Asp 23-Asp 126) and CD3D (Phe 22-Ala 105) (Fc tag at C-terminal)	
<b>PURITY:</b>	>95% by Tris-Bis PAGE and HPLC	
<b>MOL. WEIGHT:</b>	The protein has a calculated MW of 37.8 kDa (CD3E) and 35.4 kDa (CD3D). The protein migrates as 40-50 kDa in Bis-Tris PAGE gel under reducing conditions, due to glycosylation	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1 µg of protein (determined by LAL method)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4)	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile Deionized water. It is recommended to reconstitute to a concentration of more than 100 µg/ml.	
<b>STORAGE CONDITIONS:</b>	Store at -70°C. After reconstitution, aliquot and store at -70°C. Avoid repeated freezing and thawing cycles.	
<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>	Human CD3 epsilon & CD3 delta Heterodimer Protein was immobilized at 0.5 µg/ml (100 µl/well). Dose response curve using Anti-hCD3E/CD3D Ab foralumab gave an EC <sub>50</sub> of 21.69 ng/ml by ELISA. Human CD3 epsilon & CD3 delta Heterodimer Protein was Immobilized at 0.1 µg/ml (100 µl/Well). Dose response curve using Anti-hCD3E/CD3D Ab OKT3 gave an EC <sub>50</sub> of 21 ng/ml by ELISA.	



**Fig. A.** Human CD3E & CD3D, FcTag protein run on Tris-Bis PAGE gel under reducing (R) conditions. **Fig. B.** Human CD3 epsilon & CD3 delta Heterodimer Protein was immobilized at 0.5 µg/ml (100 µl/well). Dose response curve using Anti-hCD3E/CD3D Ab1 foralumab gave an EC<sub>50</sub> of 21.69 ng/ml by ELISA. **Fig. C.** Human CD3 epsilon & CD3 delta Heterodimer Protein was Immobilized at 0.1 µg/ml (100 µl/Well). Dose response curve using Anti-hCD3E/CD3D Ab2 OKT3 gave an EC<sub>50</sub> of 21 ng/ml by ELISA.

### RELATED PRODUCT:

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant (7448)
- Human CellExp™ CD155, human recombinant (7462)
- Human CellExp™ CD160/BY55, human recombinant (7386-10)
- Human CellExp™ CD166/ ALCAM, human recombinant (7437)
- Human CellExp™ CD172A / SIRP, human recombinant (7506)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (7370)
- Human CellExp™ CD47, human recombinant (7385)
- Human CellExp™ CD55/DAF, human recombinant (7432)
- Human CellExp™ CD58 /LFA-3, human recombinant (7427)
- Human CellExp™ CD62E/E-Selectin, human recombinant (7434)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (7279)
- Human CellExp™ CD273, human recombinant (7369)
- Human CellExp™ CD36, human recombinant (7371)