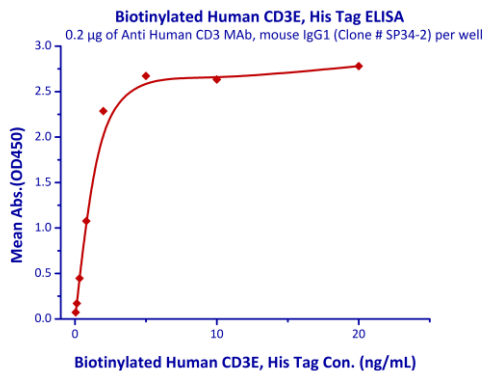
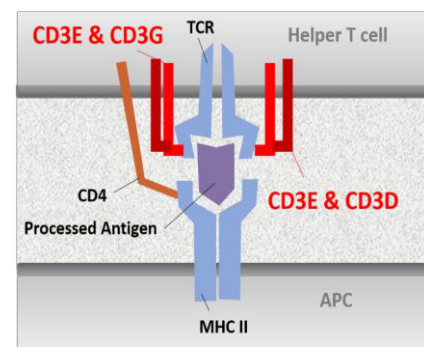


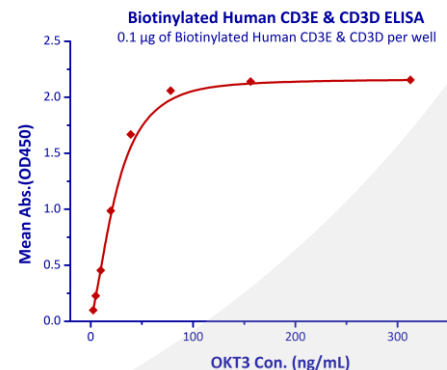
# Biotinylated CD3E and more CD3 Products

CD3 is a multimeric protein complex containing a CD3 $\gamma$  chain, a CD3 $\delta$  chain, and two CD3 $\epsilon$  chains. CD3 is part of the T-cell receptor complex, which mediates T-cell activation through interaction with specific antigens. CD3 has become a focal point of pharmaceutical research in the last decade. Direct inhibition of CD3 protein has been used to treat autoimmune diseases and allograft rejection. More recently, targeting CD3 has been used as a strategy to bridge cytotoxic T cells to target cells in bi-specific antibody design. A successful example is Amgen's Blincyto<sup>®</sup> (blinatumomab). Blinatumomab is a bi-specific antibody simultaneously targeting CD3 and CD19, and by so doing directing the CD3-expressing T cells to CD19-expressing lymphoma cells.

ACROBiosystems provides a comprehensive panel of CD3 proteins, including the exclusive Biotinylated Human CD3 epsilon (Cat. # CDE-H8223), and the Biotinylated Human CD3E & CD3D heterodimer protein (Cat. # CDD-H82W0). We are also the only supplier for Mouse CD3 epsilon protein (Cat. # CDE-M5256).












Immobilized Anti Human CD3 MAb, mouse IgG1 (Clone # SP34-2) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Biotinylated Human CD3E, His Tag (Cat. # CDE-H8223) with a linear range of 0.05-2 ng/mL.












Immobilized Biotinylated Human CD3E & CD3D (Cat. # CDD-H82W0) can bind OKT3 with a linear range of 2-39 ng/mL. The biotinylated CD3E & CD3D heterodimers are coated at 1  $\mu$ g/mL (100  $\mu$ L/well) on a streptavidin coated plates.

Molecule	Cat. No	Species	Structure	Size
CD3 epsilon	CDE-H5223	Human	CD3E (23-126) His	100 $\mu$ g, 1mg
CD3 epsilon (Biotin-labeled)	CDE-H8223	Human	CD3E (23-126) His	25 $\mu$ g, 200 $\mu$ g
CD3 epsilon	CDE-M5256	Mouse	CD3E (23-108) Fc	100 $\mu$ g, 1mg
CD3E & CD3D	CDD-H52W4	Human	CD3E (23-126) His CD3D (22-105)	50 $\mu$ g
CD3E & CD3D (Biotin-labeled)	CDD-H82W0	Human	CD3E (23-126) Fc His CD3D (22-105) Fc Flag	25 $\mu$ g, 200 $\mu$ g

Molecule	Cat. No	Species	Structure	Size
CD3 delta	CDD-C52H8	 Cynomolgus	CD3D (22-105) His	100ug, 1mg
CD3 delta	CDD-H5224	 Human	CD3D (22-105) His	100ug, 1mg
CD3 epsilon	CDE-C5226	 Cynomolgus	CD3E (22-117) His	100ug, 1mg
CD3 epsilon	CDE-C5254	 Cynomolgus	CD3E (22-117) Fc His	100ug, 1mg
CD3 epsilon	CDE-H5256	 Human	CD3E (23-126) Fc His	100ug, 1mg
CD3 epsilon	CDE-H5286	 Human	CD3E (23-126) Twin-Strep	25ug, 250ug
CD3E & CD3D	CDD-C52W4	 Cynomolgus	CD3E (22-117) His CD3D (22-105) Flag	100ug, 1mg
CD3E & CD3D	CDD-H52W0	 Human	CD3E (23-126) Fc His CD3D (22-105) Fc Flag	100ug, 1mg
CD3E & CD3G	CDG-H52W9	 Human	CD3E (23-126) Fc His CD3G (23-116) Fc Flag	50ug, 1mg

### Other Relevant Product

Molecule	Cat. No	Species	Structure	Size
CD4	CD4-C52H7	 Rhesus macaque	CD4 (26-390) His	100ug, 1mg
CD4	CD4-C5256	 Rhesus macaque	CD4 (26-390) Fc	100ug
CD4	CD4-H5259	 Human	CD4 (26-396) Fc	200ug, 1mg
CD4	LE3-H5228	 Human	CD4 (26-390) His	200ug, 1mg
CD19	CD9-H5259	 Human	CD19 (20-291) Fc	100ug, 1mg
CD19 (Biotin-labeled)	CD9-H8259	 Human	CD19 (20-291) Fc	25ug, 200ug
CD19	CD9-C5251	 Rhesus macaque	CD19 (20-292) Fc	100ug, 1mg
CD19	CD9-H5226	 Human	CD19 (20-291) His	100ug, 1mg
CD19	CD9-H5255	 Human	CD19 (20-278) Fc	100ug, 1mg