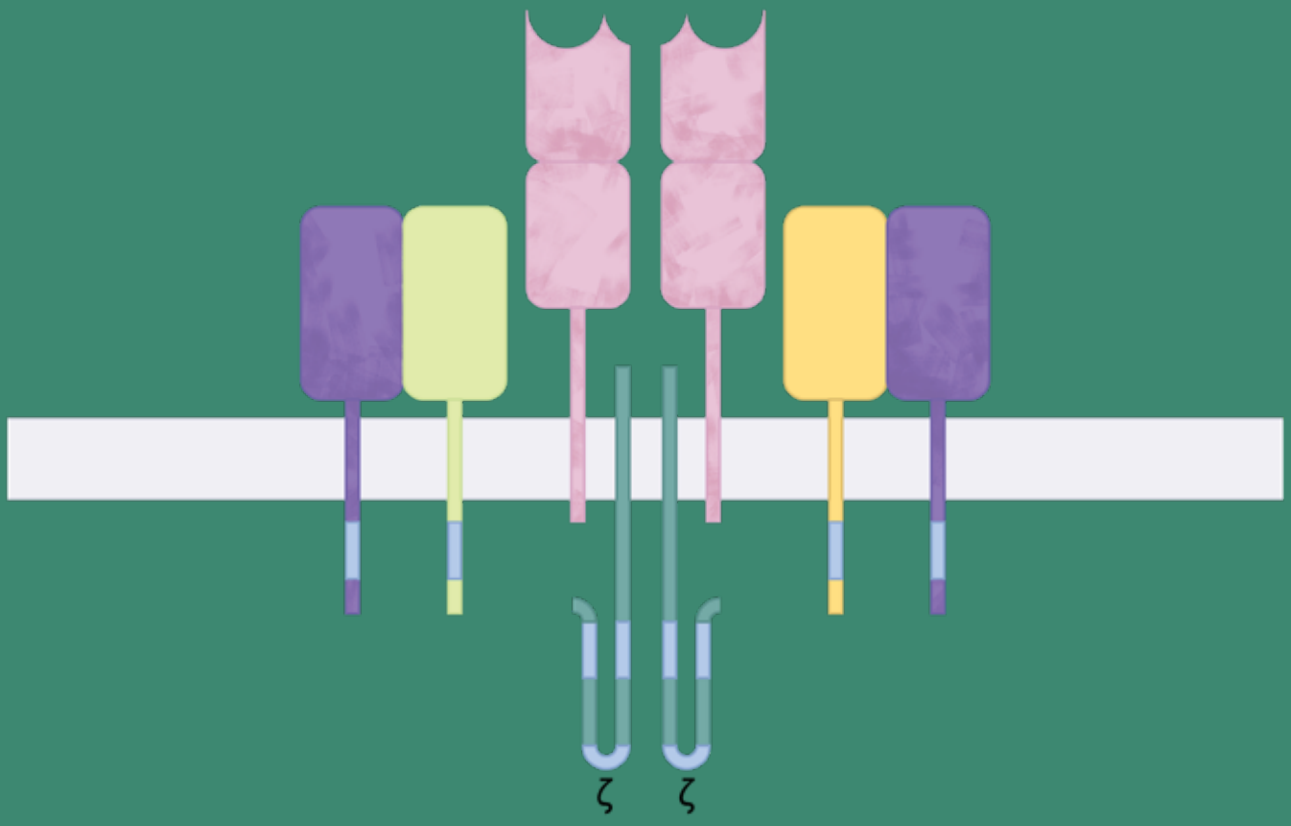
KACTUS

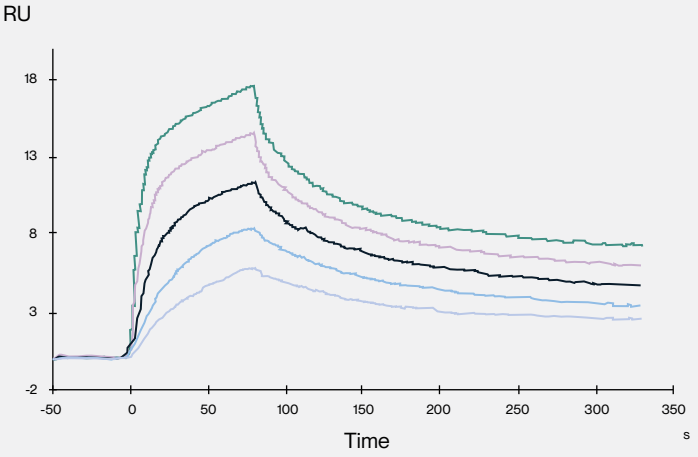
CD3 Recombinant Proteins



kactusbio.com
sales@kactusbio.us

60 Hickory Drive
Waltham, MA 02451
United States

Highly active recombinant CD3 monomers & heterodimers

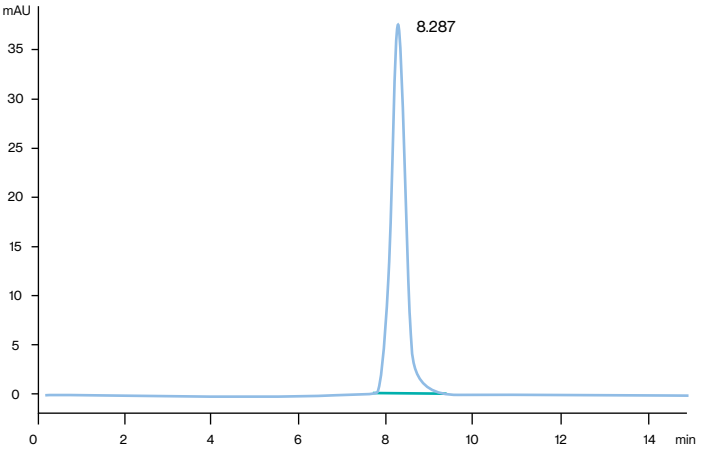


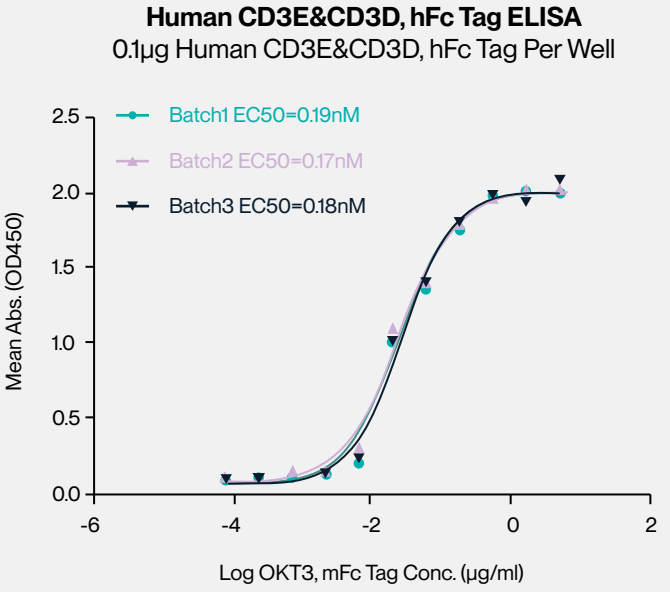
High Protein Affinity

Through rigorous experimentation using ELISA and SPR analysis, we methodically assessed the potency of our CD3 heterodimers, notably exemplified by CD3E/G-His Tag and CD3E/D-His Tag. These investigations have substantiated the high protein affinity of these CD3 proteins.

Equal Expression of Subunits

A proprietary design, expression, and purification system ensures the two subunits of the heterodimers are expressed in equal proportions with greater than 95% purity, verified by SDS-PAGE and SEC-HPLC.

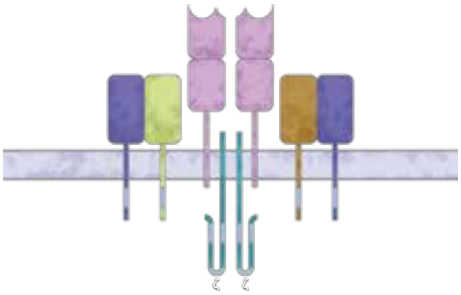




Stability

The robustness of our CD3 proteins is demonstrated by their high batch-to-batch consistency and long-term stability, validated via ELISA. Our CD3 proteins offering a dependable foundation for a spectrum of research and clinical pursuits within the realms of immunology and biotechnology.

Cluster of Differentiation 3 (CD3)



TCR-Complex showing TCR-a and TCR-ß chains with associated CD3 γ, δ, and ε subunits.

Cluster of Differentiation 3 (CD3) is a protein expressed on the surface of T cells consisting of 6 transmembrane peptide chains. Our CD3 proteins contain a proprietary design and purification system to ensure accurate expression of heterodimers and equal expression of subunits.

Custom CD3 Protein Production

Subunits
CD3E, CD3G, CD3D, CD3E/CD3G, CD3E/CD3D

Species
Human, Mouse, Cynomolgus

Tags
Fc, His, Fc-Avi, His-Flag

*Contact us at **sales@kactusbio.us** to request a custom recombinant CD3 protein.*

Applications

Antibody Discovery
Immunization
Antibody Screening
Functional characterization
Affinity Determination (ELISA, SPR, BLI)

Browse
the catalog

Target	Species	Biotinylated	Tag	Express Systemt	Catalog #
CD3D	Human	No	C-His	HEK293	CDD-HM101
CD3E	Cynomolgus	No	C-His	HEK293	CDE-CM101
CD3E	Cynomolgus	No	C-hFc	HEK293	CDE-CM201
CD3E	Cynomolgus	Yes	C-His	HEK293	CDE-CM101B
CD3E	Human	No	C-hFc	HEK293	CD3-HM20E
CD3E	Human	No	C-His	HEK293	CDE-HM101
CD3E	Human	Yes	C-His	HEK293	CDE-HM101B
CD3E & CD3D	Cynomolgus	No	C-His-Flag	HEK293	CD3-CM101
CD3E & CD3D	Cynomolgus	No	C-hFc	HEK293	CD3-CM201
CD3E & CD3D	Cynomolgus	Yes	C-hFc	HEK293	CD3-CM201B
CD3E & CD3D	Human	No	C-hFc	HEK293	CD3-HM205
CD3E & CD3D	Human	No	C-His	HEK293	CD3-HM105
CD3E & CD3D	Human	Yes	C-His	HEK293	CD3-HM105B
CD3E & CD3D	Human	Yes	C-hFc-Avi	HEK293	CD3-HM505B
CD3E & CD3D	Mouse	No	C-hFc	HEK293	CD3-MM205
CD3E & CD3G	Cynomolgus	No	C-His-Flag	HEK293	CD3-CM102
CD3E & CD3G	Cynomolgus	No	C-hFc	HEK293	CD3-CM202
CD3E & CD3G	Cynomolgus	Yes	C-hFc	HEK293	CD3-CM202B
CD3E & CD3G	Human	No	C-hFc	HEK293	CD3-HM257
CD3E & CD3G	Human	No	C-His	HEK293	CD3-HM157
CD3E & CD3G	Human	Yes	C-His	HEK293	CD3-HM157B
CD3E & CD3G	Human	Yes	C-hFc-Avi	HEK293	CD3-HM557B
CD3E Peptide 1-27	Cynomolgus	No	C-hFc-Avi	HEK293	CD3-CM2ED
CD3E Peptide 1-27	Cynomolgus	Yes	C-hFc-Avi	HEK293	CD3-CM2EDB
CD3E Peptide 1-27	Human	No	C-hFc-Avi	HEK293	CD3-HM2ED
CD3E Peptide 1-27	Human	Yes	C-hFc-Avi	HEK293t	CD3-HM2EDB