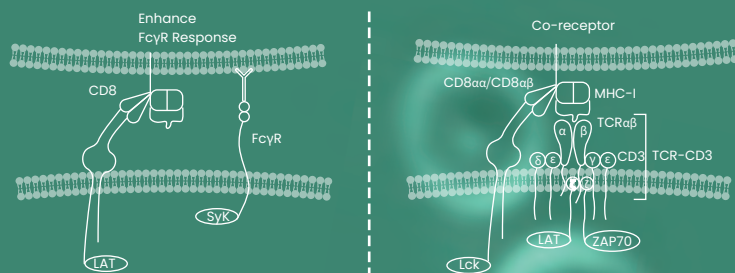


Recombinant CD8 Proteins



CD8 is expressed on the surface of cytotoxic T lymphocytes (CTLs), dendritic cells, macrophages, monocytes, and NK cells. CD8 can be either homodimer or heterodimer.

The homodimer is made of two CD8α chains, while the heterodimer is made of a CD8α chain and a CD8β chain (heterodimer)

The CD8 dimer is a co-receptor of TCR-CD3 complex, which binds to MHC-I, resulting in T cell activation. CD8α recruits LCK or LAT to trigger subsequent signaling pathways, while CD8β enhances the avidity of the CD8/MHC/TCR complex to increase IL-2 production. In mouse, the CD8α homodimer also binds to MHC I-like molecule (TL) without TCR. For immune cells that lack TCR, FcγR is an alternative pathway that is co-activated by CD8. Mounting evidence has suggested that immune responsiveness could be drastically reduced by blocking CD8, rendering it a viable target for auto-immune disorders, allergies, and a variety of cancers.

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Recombinant CD8 Proteins

○ Binding Activity Validated

Cat#	Species	Monomer	Validated Activity
10980-H08H	Human	CD8α	Bind with Lck, B2M, FCGRT & B2M
50389-M08H	Mouse	CD8α	
60001-F08H	Ferret	CD8α	

○ CD8 from Various Species Available

Cat#	Species	Monomer	Tag
80285-R02H	Rat	CD8α	Fc
90888-C02H	Cynomolgus	CD8α	Fc
11031-H02H	Human	CD8α	Fc
CT075-H2508H	Human	CD8α & CD8β	His
CT076-M2508H	Mouse	CD8α & CD8β	His

Signal Transmission related Molecules

Cat#	Species	Monomer	Tag
10981-H08H	Human	CD3D	His
10977-H03H	Human	CD3E	His & hFc
CT038-H2508H	Human	CD3D & CD3E	Flag & His
10043-H09B	Human	Lck	GST
11848-H08H	Human	IL-2	His
10400-H08H-B	Human	CD4	His

More products, please refer to www.sinobiological.com

