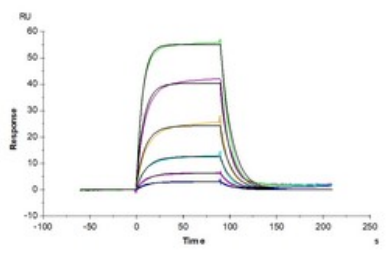
Bioactive CellTx™ HuPro®

CD6 (Human) Recombinant Protein

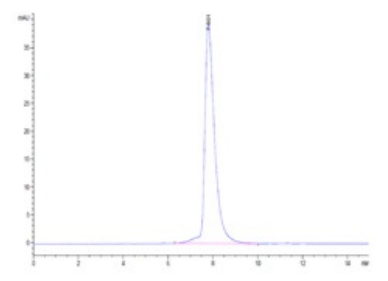
Catalog # P9747 Size 100 ug

Applications



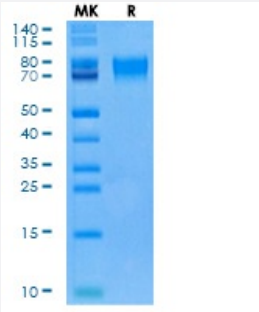
Surface Plasmon Resonance

Human ALCAM, hFc Tag captured on CM5 Chip via Protein A can bind Human CD6, His Tag with an affinity constant of 0.53 uM as determined in SPR assay (Biacore T200).



SEC-HPLC

The purity of Human CD6 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human CD6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human CD6 (NP_006716.3, His18-Leu402) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.

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Sequence	His18-Leu402
Host	Human
Theoretical MW (kDa)	42.14
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD6 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity SPR SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE
- Surface Plasmon Resonance

  Human ALCAM, hFc Tag captured on CM5 Chip via Protein A can bind Human CD6, His Tag with an affinity constant of 0.53 uM as determined in SPR assay (Biacore T200).

Gene Info — CD6

Entrez GeneID	923
Protein Accession#	NP_006716.3
Gene Name	CD6

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Gene Alias	FLJ44171, TP120
Gene Description	CD6 molecule
Omim ID	186720
Gene Ontology	Hyperlink
Gene Summary	CD6 is a monomeric 105- or 130-kD membrane glycoprotein that is involved in T-cell activation. T he size difference between the 2 CD6 forms is due to differences in phosphorylation (Robinson et al., 1995 [PubMed 7589069]).[supplied by OMIM
Other Designations	CD6 antigen

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Genetic Predisposition to Disease
- Multiple Sclerosis

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