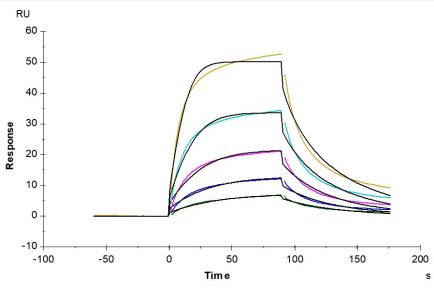
Bioactive CellTx™ HuPro®

CD58 (Human) Recombinant Protein

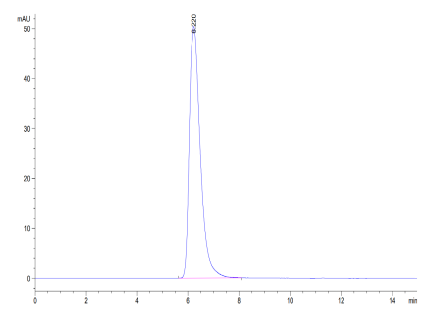
Catalog # P9835 Size 100 ug

Applications



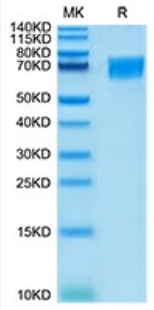
Surface Plasmon Resonance

Human CD2, His Tag captured on CM5 Chip via anti-his antibody can bind Human CD58, hFc Tag with an affinity constant of 15.48 nM as determined in SPR assay (Biacore T200).



SEC-HPLC

The purity of Human CD58 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human CD58 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human CD58 (AAH05930, Phe29-Arg215) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

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Sequence	Phe29-Arg215
Host	Human
Theoretical MW (kDa)	48.1
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The affinity constant of 15.48 nM as determined in SPR assay (Biacore T200).
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD58 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD58 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity SDS-PAGE SPR 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 CD2, His Tag captured on CM5 Chip via anti-his antibody can bind Human CD58, hFc Tag with an affinity constant of 15.48 nM as determined in SPR assay (Biacore T200).

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