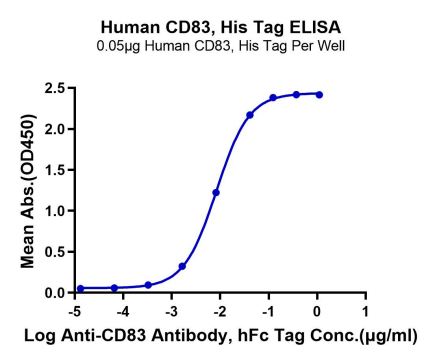
Bioactive CellTx™ HuPro®

CD83 (Human) Recombinant Protein

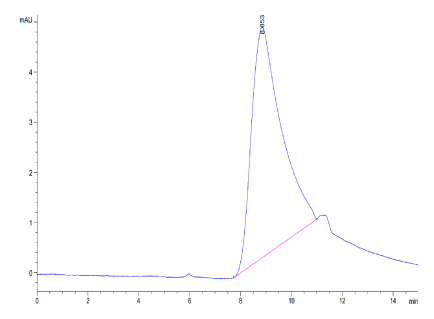
Catalog # P10001 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

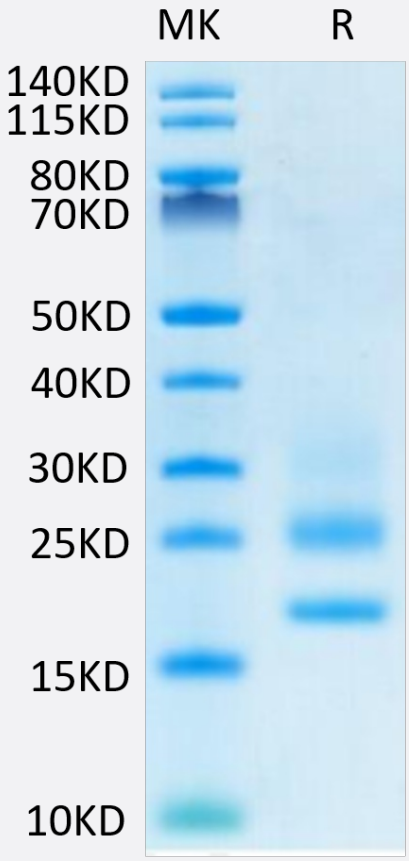
Immobilized Human CD83, His Tag at 0.5ug/ml (100ul/Well) on the plate. Dose response curve for Anti-CD83 Antibody, hFc Tag with the EC_{50} of 8.6ng/ml determined by ELISA.



SEC-HPLC

The purity of Human CD83 is greater than 95% as determined by SEC-HPLC.

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Tris-Bis PAGE

Human CD83 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human CD83 (Q01151-1, Thr20-Ala143) partial recombinant protein with His tag at C-terminus expr essed in HEK293 cells.
Sequence	Thr20-Ala143
Host	Human
Theoretical MW (kDa)	15.2 kDa Due to g
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)
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD83 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD83 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

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Recommend Usage	Biological Activity ELISA Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD83, His Tag at 0.5ug/ml (100ul/Well) on the plate. Dose response curve for Anti-CD83 Antibody, hFc Tag with the EC_{50} of 8.6ng/ml determined by ELISA.

Gene Info — CD83

Entrez GeneID	9308
Protein Accession#	Q01151-1
Gene Name	CD83
Gene Alias	BL11, HB15
Gene Description	CD83 molecule
Omim ID	604534
Gene Ontology	Hyperlink
Gene Summary	immunoglobulin superfamily)|OTTHUMP00000016057|cell-surface glycoprotein
Other Designations	CD83 antigen|CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)|OTTHUMP00000016057|cell-surface glycoprotein

Disease

- Adenocarcinoma

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- Carcinoma
- Cervical Intraepithelial Neoplasia
- Genetic Predisposition to Disease
- Neoplasm Invasiveness
- Papillomavirus Infections
- Uterine Cervical Neoplasms

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