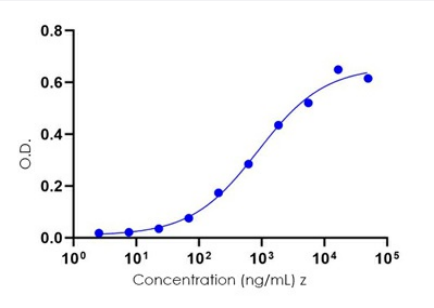
Bioactive HuPro®

CD226 (Human) Recombinant Protein

Catalog # P7598 Size 10 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human CD226 (Q15762, 19 a.a. - 247 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.
Sequence	EEVLWHTSVPFAENMSLECVYPSMGILTQVEWFKIGTQQDSIAIFSPTHGMVIRKPYAERVYFLNST MASNNMTLFFRNASEDDVGYYSCSLYTYPQGTWQKVIQVVQSDSFEAAVPSNSHIVSEPGKNVT LTCQPQMTWPVQAVRWEKIQPRQIDLLTYCNLVHGRNFTSKFPRQIVSNCSHGRWSVIVIPDVTVS DSGLYRCYLQASAGENETFVMRLTVAEGKTDN
Host	Mammals
Theoretical MW (kDa)	81.7
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by gel clotting method)
Activity	Immobilized Rhesus macaque CD155/PVR Protein, His Tag at 1.0 ug/mL (100 uL/well) can bind DNAM-1/CD226, hFc, Human with an EC_{50} of 0.871 ug/mL when detected by Mouse Anti-Human IgG Fc-HRP.

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Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD226

Entrez GeneID	10666
Protein Accession#	Q15762
Gene Name	CD226
Gene Alias	DNAM-1, DNAM1, PTA1, TLiSA1
Gene Description	CD226 molecule
Omim ID	605397
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. T he protein mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelia l cells. The protein also plays a role in megakaryocytic cell maturation. [provided by RefSeq
Other Designations	CD226 antigen|DNAX accessory molecule-1|T lineage-specific activation antigen 1 antigen|adhe sion glycoprotein|platelet and T cell activation antigen 1

Pathway

- Cell adhesion molecules (CAMs)

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Disease

- Arthritis
- Autoimmune Diseases
- Churg-Strauss Syndrome
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Multiple Sclerosis
- Neoplasm Invasiveness
- Prostatic Neoplasms
- Psoriasis
- Tobacco Use Disorder
- Wegener Granulomatosis

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