

CD147 Active Protein

CD147 (22-205) Protein

CATALOG # AAA73176	HOST CHO Cells
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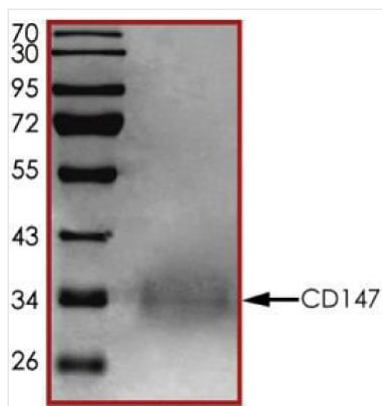
PRODUCT SYNONYMS

CD147; CD147 (22-205) Protein; Basigin; EMMPRIN; CD147 active protein

PRODUCT SPECIFICATIONS

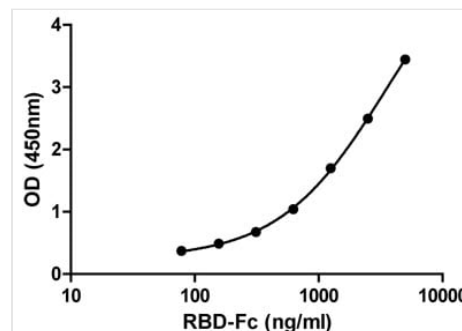
Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.5, 300mM NaCl, 150mM imidazole
Species	Human
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at the recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data

The purity of CD147 (22-205) was determined to be >90% by densitometry. Approx. MW 30-36 kDa.



Specific Activity

Binding ability measured in a functional ELISA. CD147 (22-205) protein (His tag) can bind to immobilized 2019-nCoV spike protein RBD (Fc-tag) .

ADDITIONAL INFORMATION

Related Product Information for CD147 active protein

Recombinant human CD147 (22-205) protein was expressed in CHO cells using a C-terminal His-tag. The gene accession number is NM_198589

Overview: CD147 is a highly glycosylated transmembrane protein that acts as the main upstream stimulator of matrix metalloproteinases (MMPs) (1). It has been reported to bind viral Spike protein of SARS-Co-2, thereby playing a functional role in mediating the viral invasion of the host cell. It also acts as an RBC receptor for Plasmodium falciparum, a Malarial protozoan (2). In addition, expression level of CD147 is increased in tumor tissue, inflammation, and pathogenically infected cells. Therefore, CD147 receptor blocking drugs may provide novel therapeutic strategies against viral invasions, such as 2019-nCoV (3).

Product Categories/Family for CD147 active protein	Proteins; COVID-19 Proteins
References	1. Kong LM, et al: A regulatory loop involving miR-22, Sp1, and c-Myc modulates CD147 expression in breast cancer invasion and metastasis. Cancer Research. 2014, 74(14):3764-78. 2. Wang K, et al SARS-CoV-2 invades host cells via a novel route: CD147-spike protein. BioRxiv. 2020 doi: https://doi.org/10.1101/2020.03.14.988345 3. Ulrich H, et al: CD147 as a target for COVID-19 treatment: Suggested effects of azithromycin and stem cell engagement.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_198589
Molecular Weight	30-36kDa.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cho-cells-active-protein/cd147/73176>