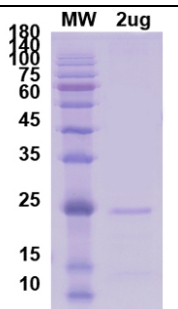


Product Details

Summary

Product name	Recombinant Human CD147 protein
Catalog#	ATAP00046
description	Recombinant Human CD147 is produced by E.coli expression system and the target gene encoding Ala22-Ala207 is expressed with His Tag
Expression system	E.coli
Species	Homo sapiens (Human)
Accession #	P35613
Alternative names	5F7 Protein, Human; Basigin Protein, Human; CD147 Protein, Human; EMMPRIN Protein, Human; M6 Protein, Human; OK Protein, Human; TCSF Protein, Human
Predicted Molecular Mass	22.59 kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Formulation	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability &Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Please refer to the instruction in the hard copy of COA.
Application	Immunogen

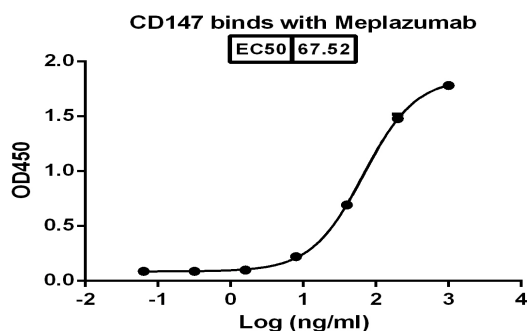
SDS-PAGE image



SDS-PAGE Image



Bioactivity



Background

CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilin and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

Note

For research use only.