

Datasheet for ABIN7320311
CD147 Protein (His tag,Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CD147 (BSG)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD147 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse CD147/Basigin Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Arg 209
Characteristics:	A DNA sequence encoding the extracellular domain of mouse BSG isoform 2 (NP_001070652.1) (Met 1-Arg 209) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Using the Octet RED System, the affinity constant (Kd) of mouse CD147-Fc bound to Human PPIA-His was 0.4 µM.

Target Details

Target:	CD147 (BSG)
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Target Details

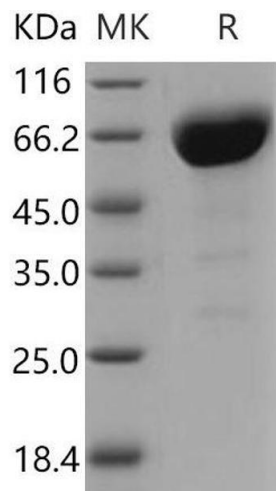
Alternative Name:	CD147/Basigin (BSG Products)
Background:	<p>Background: CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. 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.</p> <p>Synonym: Basigin, Basic immunoglobulin superfamily, HT7 antigen, Membrane glycoprotein gp42, CD147, Bsg, AI115436, AI325119, EMMPRIN, HT-7</p>
Molecular Weight:	48.6 kDa
NCBI Accession:	NP_001070652
Pathways:	S100 Proteins

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.