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37-1089: Human CD147 / EMMPRIN / Basigin Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human
Alternative Name : 5F7 Protein, Basigin Protein, CD147 Protein, EMMPRIN Protein, M6 Protein, OK Protein, TCSF Protein,

Description

Source : HEK293 Cells
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 cyclophilinthe 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.

Product Info

Amount :	Human CD147 / EMMPRIN / Basigin Recombinant Protein (Fc Tag)(Discontinued) / 100 µg
Purification :	> 97 % as determined by SDS-PAGE and SEC-HPLC Analysis.
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-His205

Application Note

Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

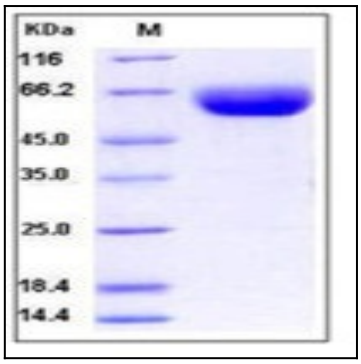


Fig 1: Human CD147 / EMMPRIN / Basigin Recombinant Protein (Fc Tag)

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