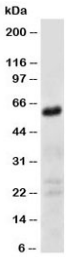
CD147 Antibody (R30601)

Catalog No.	Formulation	Size
R30601	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P35613
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CD147 antibody is available for research use only.



Western blot testing of CD147 antibody and human fibroma cell lysate. Predicted molecular weight: ~27 kDa (unmodified), 43-66 kDa (glycosylated).

Description

Emmprin, extracellular matrix metalloproteinase inducer, also known as Emmprin(BSG) or cluster of differentiation 147 is a protein that in humans is encoded by the Emmprin gene. The gene contains 8 exons and spans 10.8 kb. This protein is a determinant for the Ok blood group system. CD147 has been shown to be an essential receptor on red blood cells for the malaria parasite. It is a member of the immunoglobulin superfamily, with a structure related to the putative primordial form of the family. As members of the immunoglobulin superfamily play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, It is though also to play a role in intercellular recognition. CD147 also regulates several distinct functions, such as spermatogenesis, expression of the

monocarboxylate transporter and the responsiveness of lymphocytes. It is a type I integral membrane receptor that has many ligands, including the cyclophilin(CyP) proteins Cyp-A and CyP-B and certain integrins. It is expressed by many cell types, including epithelial cells, endothelial cells and leukocytes.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD147 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human CD147 (QKTEFKVDSDDQWGEYSC) was used as the immunogen for this CD147 antibody.

Storage

After reconstitution, the CD147 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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