

## Product Details

### Summary

<b>description</b>	Produced in rabbits immunized with purified, Recombinant Human CD147 protein
<b>Accession #</b>	P35613-2
<b>Alternative names</b>	Collagenase stimulatory factor, OK blood group antigen, Leukocyte activation antigen M6, Tumor cell-derived collagenase stimulatory factor, Basigin, Extracellular matrix metalloproteinase inducer, CD147, TCSF, EMMPRIN, 5F7, BSG
<b>Stability &amp; Storage</b>	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.
<b>Specificity</b>	Recognizes Human CD147 protein
<b>Isotype</b>	IgG
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Species reactivity</b>	Human, other species was not test
<b>Tested applications</b>	WB, ICC, IHC
<b>Immunogen</b>	Recombinant protein of human CD147(Ala22-Ala207).

### Background

BSG, also named as 5F7, Basigin, EMMPRIN, TCSF and CD147, plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). CD147 may target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA, inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix, plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.

### Product performance

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.



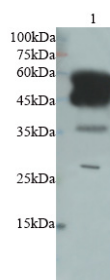
**Concentration** 0.48mg/ml

**MW** 42kDa

## Application

**Dilution Range** WB:1:2000~1:8000, ICC:1:50~200, IHC:1:50~100

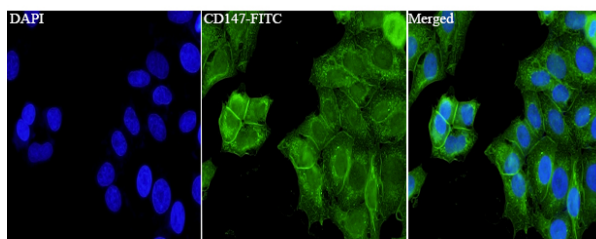
## Tested Picture



Lysate:30µg/lane  
Lane 1:A2780S

Predicted band size : 28kDa  
Observed band size : 58kDa, 45kDa,  
35kDa, 28kDa

Various lysates were subjected to SDS PAGE followed by western blot with CD147 antibody at dilution of 1:1000.



Immunofluorescent analysis of HepG2 cells using CD147 antibody at dilution of 1:50 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).



Glycosylated CD147

Non-glycosylated CD147

GAPDH

Lysate:rat liver, 20µg/lane  
Lane 1:rat liver  
Lane 2:rat liver treated with PNGase F

Predicted band size:58kDa  
Observed band size:28,58kDa

Various lysates were subjected to SDS PAGE followed by western blot with CD147 antibody at dilution of 1:1000.

## Note

For research use only.