

For Research Use Only

CD147 Recombinant antibody, PBS Only



Catalog Number: 82909-1-PBS

Basic Information

Catalog Number: 82909-1-PBS	GenBank Accession Number: BC009040	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 682	CloneNo.: 230046C1
Source: Rabbit	UNIPROT ID: P35613	
Isotype: IgG	Full Name: basigin (Ok blood group)	
	Calculated MW: 385 aa, 42 kDa	

Applications

Tested Applications:
IF, Indirect ELISA

Species Specificity:
Human

Background Information

CD147, also known as Basigin or extracellular matrix metalloproteinase inducer (EMMPRIN), is a transmembrane glycoprotein that belongs to the immunoglobulin superfamily (PMID: 7812975). The molecule is composed of an intracellular portion, an extracellular portion and a single transmembrane region. CD147 is expressed on a variety of cell types (e.g., hematopoietic, epithelial, and endothelial cells) and at varying levels (PMID: 32968061). Increased expression of CD147 occurs in many tumors. CD147 is a pleiotropic molecule that plays an important role in fetal, neuronal, lymphocyte and extracellular matrix development (PMID: 17945211). CD147 has been identified as a receptor essential for erythrocyte invasion by Plasmodium falciparum (PMID: 22080952). It has been reported that spike protein of SARS-CoV-2 binds to CD147 on host cells, thereby mediating the viral invasion (Wang, Ke, et al, BioRxiv, 2020).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

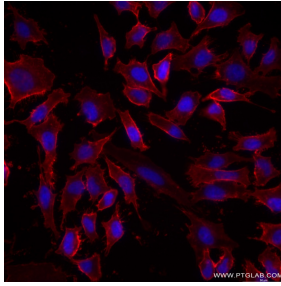
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CD147 antibody (82909-1-RR, Clone: 230046C1) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM004). This data was developed using the same antibody clone with 82909-1-PBS in a different storage buffer formulation.