

À des fins de recherche uniquement

Anticorps Monoclonal anti-CD147

Numéro de catalogue: **CL488-66443**



Informations de base

Numéro de catalogue: CL488-66443	Numéro d'acquisition GenBank: BC009040	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 682	CloneNo.: 1G12B5
Hôte: Mouse	Nom complet: basigin (Ok blood group)	Dilutions recommandées: IF 1:50-1:500
Isotype: IgG1	MW calculé 385 aa, 42 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG2619	MW observés: 45-50 kDa	

Applications

Applications testées: FC (Intra), IF	Contrôles positifs: IF : tissu d'amygdalite humain,
Spécificité de l'espèce: Humain, porc	

Informations générales

CD147, also known as Basigin or extracellular matrix metalloproteinase inducer (EMMPRN), is a transmembrane glycoprotein that belongs to the immunoglobulin superfamily (PMID: 7812975). The molecule is composed of an intracellular portion and 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). The CD147 gene, designated BSG for basigin, is located on chromosome 19p13.3. Four transcript variants encoding different isoforms have been found (PMID: 21536654). CD147 migrates on SDS-PAGE usually between 35 and 65 kDa, depending on the degree of glycosylation (PMID: 17945211).

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

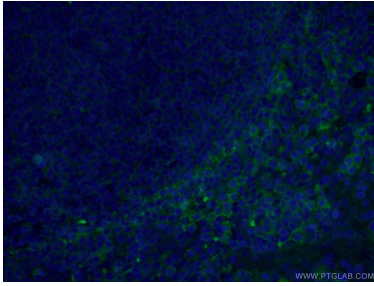
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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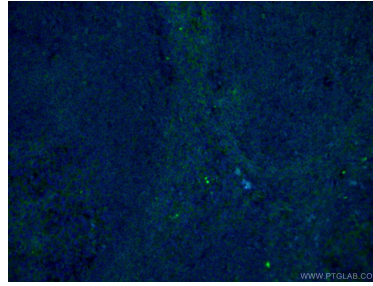
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

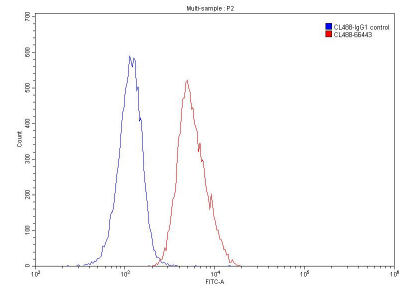
Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66443 (CD147 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66443 (CD147 antibody) at dilution of 1:50.



1X10⁶ Jurkat cells were stained with 0.20ug CD147 antibody (CL488-66443, red) and control antibody (blue). Fixed with 90% MeOH.