

For Research Use Only

CoraLite®594-conjugated CD147 Monoclonal antibody



Catalog Number:CL594-66443

Basic Information

Catalog Number: CL594-66443	GenBank Accession Number: BC009040	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 682	CloneNo.: 1G12B5
Source: Mouse	Full Name: basigin (Ok blood group)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 385 aa, 42 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG2619	Observed MW: 45-50 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : human tonsillitis tissue,
Species Specificity: human, pig	

Background Information

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.

Storage

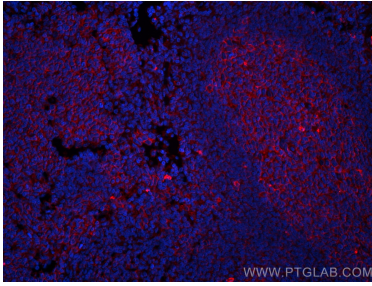
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

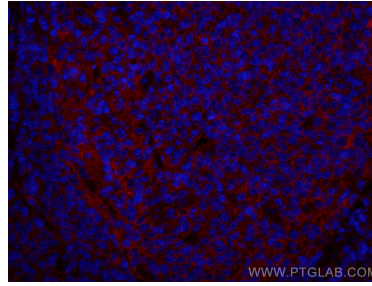
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

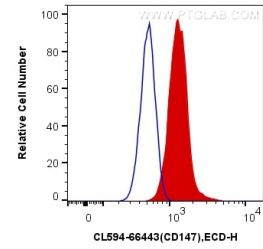
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite@594 CD147 antibody (CL594-66443, Clone: 1G12B5) at dilution of 1:200.



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1×10^6 Jurkat cells were intracellularly stained with 0.2 μ g CoraLite@594 Anti-Human CD147 (CL594-66443, Clone: 1G12B5) (red), or 0.2 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).