

For Research Use Only

CoraLite®594-conjugated CD147 Monoclonal antibody

Catalog Number:CL594-66443



Basic Information

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|---|---|---|
| Catalog Number: CL594-66443 | GenBank Accession Number: BC009040 | Purification Method: Protein G purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 682 | CloneNo.: 1G12B5 |
| Source: Mouse | UNIPROT ID: P35613 | Recommended Dilutions: IF-P 1:50-1:500 |
| Isotype: IgG1 | Full Name: basigin (Ok blood group) | Excitation/Emission maxima wavelengths: 588 nm / 604 nm |
| Immunogen Catalog Number: AG2619 | Calculated MW: 385 aa, 42 kDa | |
| | Observed MW: 45-50 kDa | |

Applications

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| Tested Applications: IF-P | Positive Controls: IF-P : 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.

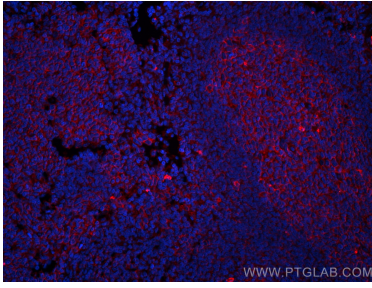
Storage

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

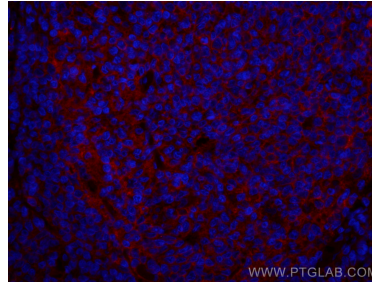
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech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