For Research Use Only

CoraLite® Plus 750-conjugated Claudin 5 Polyclonal antibody

Catalog Number:CL750-29767

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL750-29767

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG29044

GenBank Accession Number:
BC032363

GeneID (NCBI):
7122

UNIPROT ID:
O00501

Full Name:
claudin 5

Calculated MW:
218 aa, 23 kDa

Observed MW:
23 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
FC (Intra): 0.8 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

FC (Intra) : HUVEC cells,

Background Information

Claudins are a family of proteins that are the most important components of the tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. Claudin-5 is a tight junction protein primarily expressed in endothelial cells, forming the blood-brain barrier. It regulates paracellular permeability and is crucial for vascular integrity. Altered expression is linked to blood-brain barrier disruption in neurological diseases and cancer metastasis.

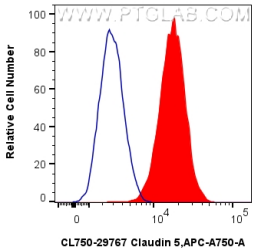
Storage

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:
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Selected Validation Data



1x10^6 HUVEC cells were intracellularly stained with 0.8 ug Coralite® Plus 750 Claudin 5 Polyclonal Antibody (CL750-29767)(red), or 0.8 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).