

For Research Use Only

CoraLite® Plus 488-conjugated Occludin Polyclonal antibody



Catalog Number: CL488-27260

Basic Information

Catalog Number: CL488-27260	GenBank Accession Number: BC029886	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4950	Recommended Dilutions: IF 1:400-1:1600
Source: Rabbit	UNIPROT ID: Q16625	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: occludin	
Immunogen Catalog Number: AG26173	Calculated MW: 522 aa, 59 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : MCF-7 cells, Caco-2 cells
Species Specificity: human	

Background Information

Occludin is an integral membrane protein located at the tight junction. It is a tetraspanin protein with four transmembrane domains, intracellular N and C termini and two extracellular loops. Occludin plays a role in the formation and regulation of the tight junction paracellular permeability barrier. Occludin can exist in different isoforms, owing to modifications at the posttranscriptional and posttranslational levels, the monomeric occludin migrates as 53-65 kDa on SDS-PAGE (PMID: 22083955; 19457074).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
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:

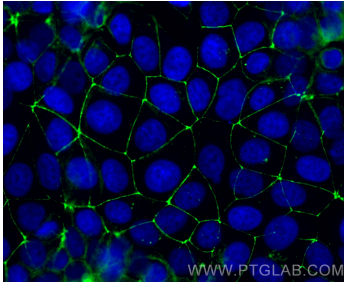
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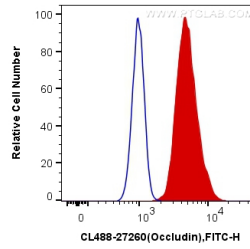
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 Occludin antibody (CL488-27260) at dilution of 1:800.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Occludin (CL488-27260) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).