

For Research Use Only

CoraLite® Plus 488-conjugated CD9 Monoclonal antibody



Catalog Number: **CL488-60232**

Featured Product

1 Publications

Basic Information

Catalog Number: CL488-60232	GenBank Accession Number: BC011988	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 928	CloneNo.: 4H7B9
Source: Mouse	Full Name: CD9 molecule	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 228 aa, 25 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG14529	Observed MW: 23-27 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : human lung cancer tissue, human breast cancer tissue
Cited Applications: IF	
Species Specificity: human, rat	
Cited Species: human	

Background Information

The cell-surface molecule CD9, a member of the transmembrane-4 superfamily, interacts with the integrin family and other membrane proteins, and is postulated to participate in cell migration and adhesion. Expression of CD9 enhances membrane fusion between muscle cells and promotes viral infection in some cells (PMID:10459022). It is often used as a mesenchymal stem cell marker (PMID:18005405). CD9 is also known as the p24 antigen besides MIC3, TSPAN29 because it is a protein of molecular weight 24 kD. The CD9 antigen appears to be a 227-amino acid molecule with 4 hydrophobic domains and 1 N-glycosylation site.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhihui Ruan	36274707	Front Microbiol	IF

Storage

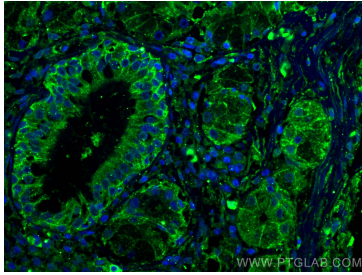
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

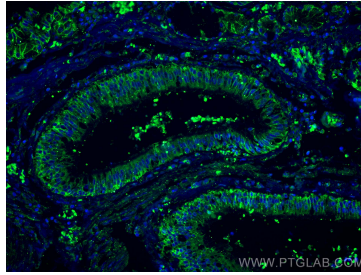
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 lung cancer tissue using CoraLite® Plus 488 CD9 antibody (CL488-60232, Clone: 4H7B9) at dilution of 1:200.



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