

For Research Use Only

# CoraLite® Plus 488-conjugated CD9 Recombinant antibody

Catalog Number: CL488-84801-4



## Basic Information

Catalog Number: CL488-84801-4	GenBank Accession Number: NM_007657.3	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 12527	CloneNo.: 242432C2
Source: Rabbit	UNIPROT ID: P40240	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: CD9 antigen	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG1397	Calculated MW: 25 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : RAW 264.7 cells,
Species Specificity: mouse	

## Background Information

CD9, also known as Tspan-29, p24 or MIC3, is a member of the tetraspanin superfamily (PMID: 1879540). It is expressed on a large variety of hematopoietic and non-hematopoietic cells, such as stromal cells, megakaryocytes, platelets, B and T lymphocytes, dendritic cells, endothelial cells, mast cells, eosinophils, and basophils (PMID: 30356731). CD9 interacts with the integrin family and other membrane proteins, and is involved in cell adhesion, cell motility and tumor metastasis (PMID: 8478605; 21428940; 25805926). Expression of CD9 enhances membrane fusion between muscle cells and supports myotube maintenance (PMID:10459022). On oocytes, CD9 is hypothesized to play a role in the fertilization of mammals (PMID: 25536312).

## 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, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

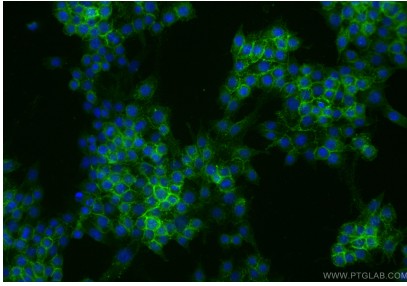
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CoraLite® Plus 488 CD9 antibody (CL488-84801-4, Clone: 242432C2 ) at dilution of 1:200.