

For Research Use Only

CoraLite®594-conjugated CD9 Monoclonal antibody

Catalog Number:CL594-60232

Featured Product

1 Publications



Basic Information

Catalog Number:

CL594-60232

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG14529

GenBank Accession Number:

BC011988

GeneID (NCBI):

928

UNIPROT ID:

P21926

Full Name:

CD9 molecule

Calculated MW:

228 aa, 25 kDa

Observed MW:

23-27 kDa

Purification Method:

Protein G purification

CloneNo.:

4H7B9

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

human, rat

Cited Species:

human

Positive Controls:

IF-P: human breast cancer tissue,

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 |
|----------------------|-----------|----------------------|-------------|
| Christian Dahlstroem | 39976236 | J Extracell Vesicles | 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

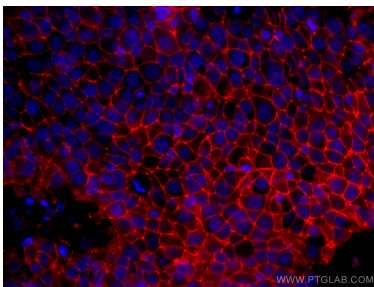
T: 4006900926

E: Proteintech-CN@ptglab.com

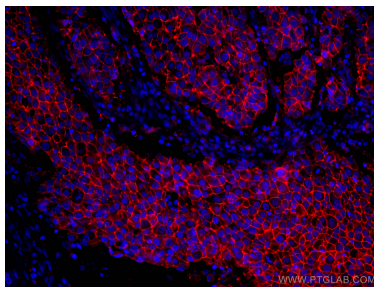
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

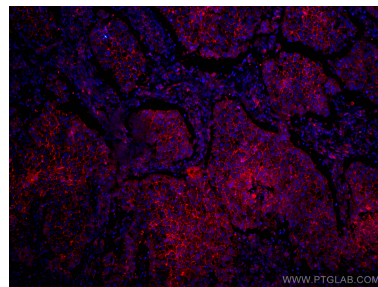
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite®594-conjugated CD9 antibody (CL594-60232, Clone: 4H7B9) at dilution of 1:200.



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Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite®594-conjugated CD9 antibody (CL594-60232, Clone: 4H7B9) at dilution of 1:200.