

For Research Use Only

Biotin-conjugated CD9 Monoclonal antibody



Catalog Number: Biotin-60232

Featured Product

Basic Information

Catalog Number:

Biotin-60232

Size:

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:

IHC 1:200-1:800

Applications

Tested Applications:

IHC

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human ovary tumor tissue, human colon 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.

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:

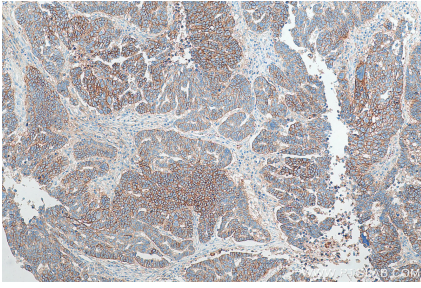
T: 4006900926

E: Proteintech-CN@ptglab.com

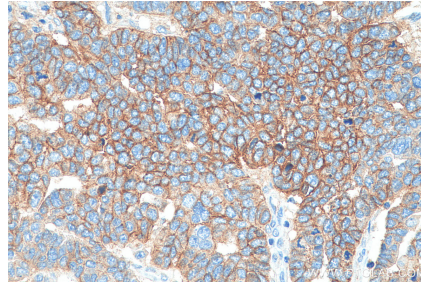
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using Biotin-60232 (CD9 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using Biotin-60232 (CD9 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).