

For Research Use Only

Biotin-conjugated CD9 Monoclonal antibody



Catalog Number: Biotin-60232

Featured Product

Basic Information

Catalog Number: Biotin-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: IHC 1:200-1:800
Isotype: IgG1	Calculated MW: 228 aa, 25 kDa	
Immunogen Catalog Number: AG14529	Observed MW: 23-27 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : human ovary tumor tissue, human colon cancer tissue
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	

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

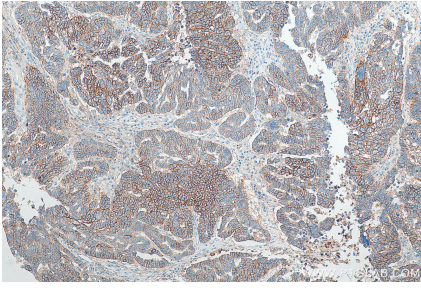
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

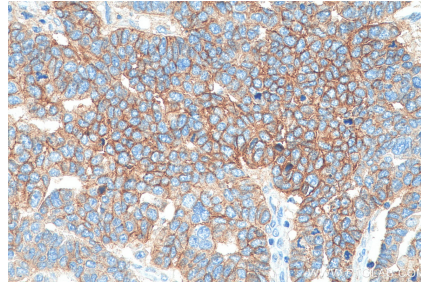
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).