For Research Use Only

CD9 Monoclonal antibody, PBS Only

Catalog Number:60232-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60232-1-PBS

Size:
1 mg/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

Applications

Tested Applications:
WB,Indirect ELISA,IHC,IF,FC

Species Specificity:
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.

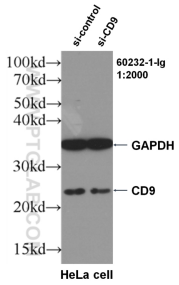
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

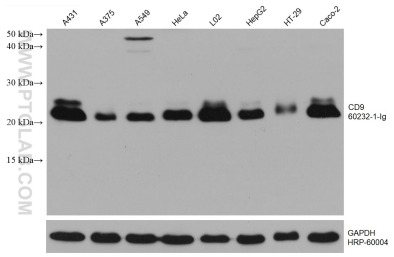
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

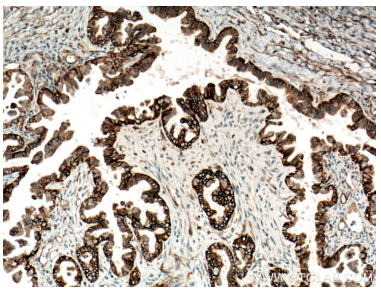
Selected Validation Data



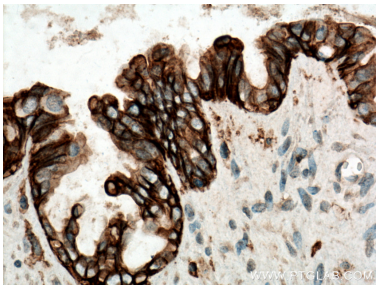
WB result of CD9 antibody (60232-1-Ig, 1:2000) with si-Control and si-CD9 transfected HeLa cells. This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.



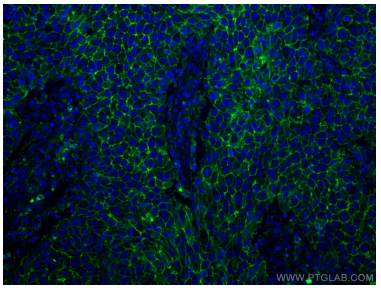
Various lysates were subjected to SDS PAGE followed by western blot with 60232-1-Ig (CD9 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.



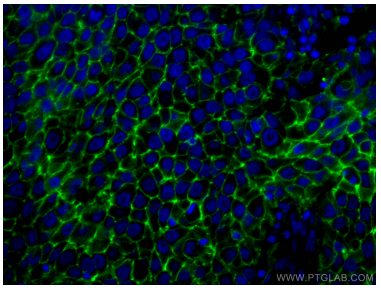
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60232-1-Ig (CD9 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60232-1-Ig (CD9 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD9 antibody (60232-1-Ig, Clone: 4H7B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.



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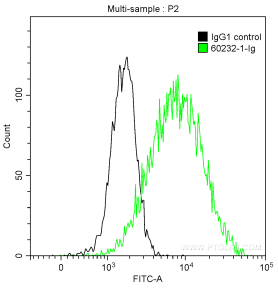

1X10^6 HeLa cells were stained with 0.2 ug Anti-Human CD9 (60232-1-Ig, Clone:4H7B9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or 0.2 ug isotype control (black). Cells were fixed with 4% PFA. This data was developed using the same antibody clone with 60232-1-PBS in a different storage buffer formulation.