For Research Use Only

## CD9 Monoclonal antibody

Catalog Number:60232-1-lg Featured Product

118 Publications



<b>Basic Information</b>	Catalog Number: 60232-1-lg	GenBank Accession Number: BC011988		Purification Method: Protein G purification	
	Concentration: 1500 ug/ml	GenelD (NCBI): 928		CloneNo.: 4H7B9	
	Source: Mouse	UNIPROT ID: P21926 Full Name: CD9 molecule Calculated MW: 228 aa, 25 kDa		Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000 IF-P: 1:200-1:800 IF/ICC: 1:400-1:1600	
	Isotype: IgG1 Immunogen Catalog Number: AG14529				
		Observed MW: 23-27 kDa			
Applications	Tested Applications:PositiveWB, IHC, IF/ICC, IF-P, ELISAWB: A43Cited Applications:IHC : hunWB, IHC, IF, PLAtissue, huSpecies Specificity:tissuehumanIF-P : hunCited Species:tissue, huhuman, rabbittissue, hu		ontrols:		
			WB : A431 cells, HeLa cells		
			IHC : huma tissue, hur	IHC : human ovary tumor tissue, human breast cancer tissue, human colon cancer tissue, human tonsillitis tissue	
			tissue		
			IF-P : hum	IF-P : human breast cancer tissue, human ovary tumo tissue, human lung cancer tissue	
			tissue, hur		
	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.				
Notable Publications	Author	Pubmed ID J	ournal	Application	
	Kosuke Otani	31561474 l	nt J Mol Sci	WB	
	Na-Na Sun	34483252 0	Chin Med J (Engl)	WB	
	Zhi-Hong Zong	31666098 J	Exp Clin Cancer	Res WB	
Storage	Storage: Store at -20°C. Stable for one yea Storage Buffer: PBS with 0.02% sodium azide an	r after shipment. d 50% glycerol, pH7.3			

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



Various lysates were subjected to SDS PAGE

control.

Immunohistochemical analysis of paraffinfollowed by western blot with 60232-1-1g (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 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).



Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 60232-1-1g (CD9 antibody) at dilution of 1:2000 (under 40x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 60232-1-lg (CD9 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CD9 antibody (60232-1-lg, Clone: 4H7B9) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).