

## CD9 Recombinant monoclonal antibody

Catalog Number: 84801-13-RR

## Basic Information

Catalog Number:	84801-13-RR	GenBank Accession Number:	NM_007657.3	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	12527	CloneNo.:	242432B5
Isotype:	IgG	UNIPROT ID:	P40240	Recommended Dilutions:	WB: 1:500-1:2000
Immunogen Catalog Number:	EG1397	Full Name:	CD9 antigen	IHC: 1:1000-1:4000	IF-P: 1:250-1:1000
		Calculated MW:	25 kDa		
		Observed MW:	23 kDa		

## Applications

## Tested Applications:

WB, IHC, IF-P, ELISA

## Species Specificity:

human, mouse, rat

**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:

WB: J774A.1 cells, RAW 264.7 cells, mouse spleen tissue

IHC: mouse spleen tissue, human prostate cancer tissue, mouse kidney tissue, rat spleen tissue

IF-P: mouse spleen tissue,

## Background Information

CD9, also known as Tspan-29, p24, or MIC3, is a member of the tetraspanin superfamily (PMID: 1879540). It is expressed on a large variety of hematopoietic and non-hematopoietic cells, such as stromal cells, megakaryocytes, platelets, B and T lymphocytes, dendritic cells, endothelial cells, mast cells, eosinophils, and basophils (PMID: 30356731). CD9 interacts with the integrin family and other membrane proteins, and is involved in cell adhesion, cell motility, and tumor metastasis (PMID: 8478605; 21428940; 25805926). Expression of CD9 enhances membrane fusion between muscle cells and supports myotube maintenance (PMID: 10459022). On oocytes, CD9 is hypothesized to play a role in the fertilization of mammals (PMID: 25536312).

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

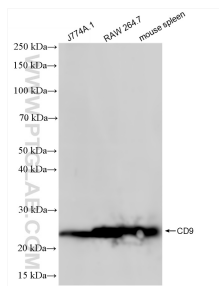
For technical support and original validation data for this product please contact:

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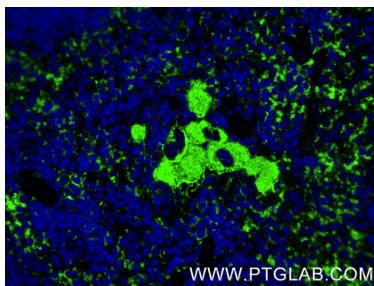
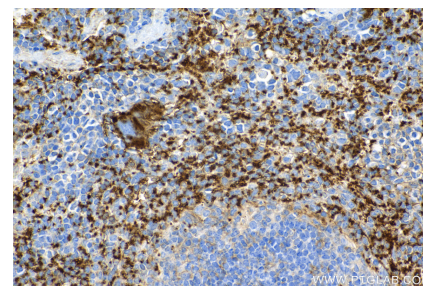
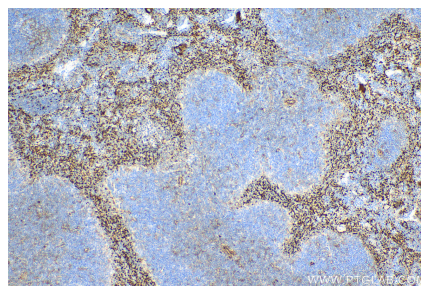
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84801-13-RR (CD9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD9 antibody (84801-13-RR, Clone: 242432B5) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).