

# CD9 Rabbit mAb

Catalog No.: A19027 **Recombinant** **17 Publications**

## Basic Information

### Observed MW

25kDa

### Calculated MW

25kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC0330

## Background

This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**IHC-P** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Contact

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## Immunogen Information

### Gene ID

928

### Swiss Prot

P21926

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 129-228 of human CD9 (P21926).

### Synonyms

MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29; CD9

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

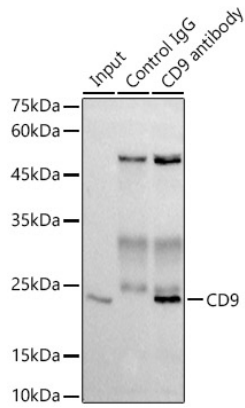
Affinity purification

### Storage

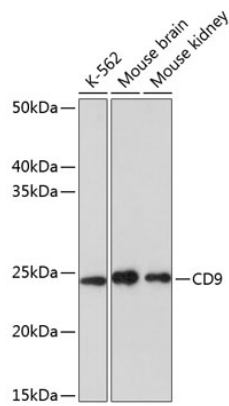
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

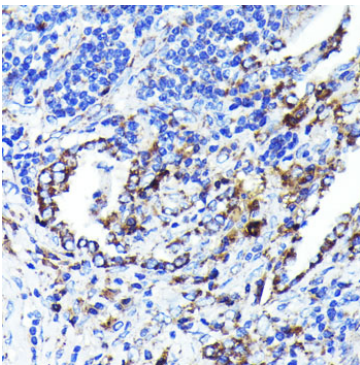
## Validation Data



Immunoprecipitation analysis of 300 µg extracts from THP-1 cells using 3 µg CD9 Rabbit mAb (A19027). Western blot was performed from the immunoprecipitate using CD9 Rabbit mAb (A19027) at a dilution of 1:1000.



Western blot analysis of various lysates using CD9 Rabbit mAb (A19027) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CD9 Rabbit mAb (A19027) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.