

## Product datasheet

# Biotin Anti-CD9 antibody [A1501] ab286172

[2 Images](#)

### Overview

<b>Product name</b>	Biotin Anti-CD9 antibody [A1501]
<b>Description</b>	Biotin Mouse monoclonal [A1501] to CD9
<b>Host species</b>	Mouse
<b>Conjugation</b>	Biotin
<b>Specificity</b>	WB (1:1000), ELISA (1:500), IHC, IP
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-Fr, IP <b>Unsuitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: COLO1 cell lysates, Plasma purified exosomes ELISA: purified exosomes from human plasma (PEP), urine (PEU)
<b>General notes</b>	This product is manufactured by BioVision, an Abcam company and was previously called A1501 Anti-human CD9 biotin conjugated antibody. A1501-50 is the same size as the 50 µg size of ab286172.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99.9% PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from tissue culture supernatant or ascites by protein A affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	A1501
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab286172 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Use under non reducing condition. Predicted molecular weight: 24 kDa.
ELISA		1/500.
IHC-Fr		Use a concentration of 2 - 10 µg/ml. This information is only intended as a guide. The optimal dilutions must be determined by the user.
IP		Use at an assay dependent concentration.

## Application notes

Is unsuitable for IHC-P.

## Target

### Function

Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.

### Tissue specificity

Expressed by a variety of hematopoietic and epithelial cells.

### Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

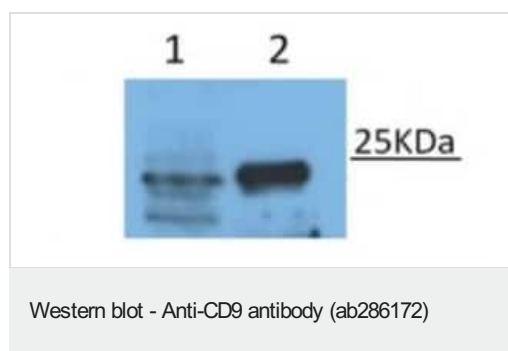
### Post-translational modifications

Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.

### Cellular localization

Membrane.

## Images



**All lanes :** Biotin Anti-CD9 antibody [A1501] (ab286172)

**Lane 1 :** COLO1 cell lysates

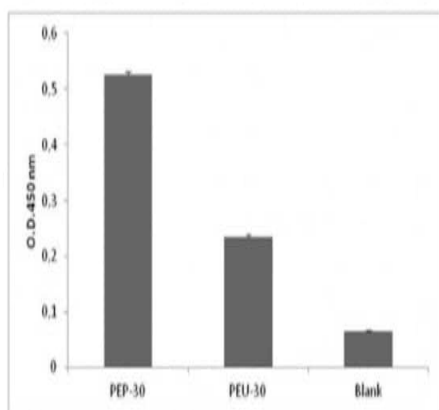
**Lane 2 :** Plasma purified exosomes

Lysates/proteins at 20 µg per lane.

Performed under non-reducing conditions.

**Predicted band size:** 24 kDa

This information is only intended as a guide. The optimal dilutions must be determined by the user.



ELISA - Anti-CD9 antibody (ab286172)

CD9 detection in purified exosomes from human plasma (PEP) and urine (PEU), 30 µg.

This information is only intended as a guide. The optimal dilutions must be determined by the user.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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