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# Datasheet for ABIN1043025 anti-CD9 antibody (Biotin)

5 Images



### Overview

Quantity:	0.1 mg
Target:	CD9
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD9 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Permeabilized murine bone marrow-derived mast cells (BMMC).
Clone:	EM-04
Isotype:	lgG1
Specificity:	The rat monoclonal antibody EM-04 recognizes an extracellular epitope of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.
Cross-Reactivity (Details):	Mouse
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

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## Target Details

Target:	CD9
Alternative Name:	CD9 (CD9 Products)
Background:	CD9 Molecule,CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol- associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors.,Mic3, Mrp-1, Btcc-1, Drap-27, Tspan-29
Gene ID:	12527
UniProt:	P40240
Pathways:	Response to Water Deprivation, Cell-Cell Junction Organization

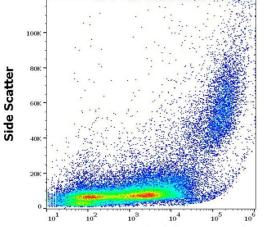
## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-4 µg/mL.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only

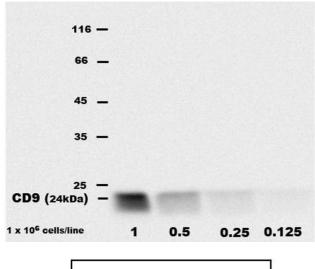
## Handling

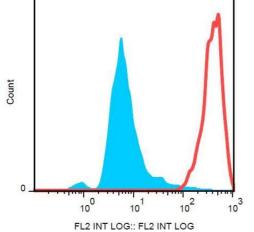
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b> Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

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anti-mouse CD9 purified / Streptavidin APC





### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse CD9 (EM-04) Biotin antibody (concentration in sample 2 µg/mL, Streptavidin APC).

#### Western Blotting

**Image 2.** Detection of CD9 inbone marrow-derived mast cell (BMMC) lysates by rat monoclonal EM-04 antibody.

#### **Flow Cytometry**

**Image 3.** Surface staining of CD9 in murine peritoneal fluid cells with anti-CD9 (EM-04) biotin, streptavidin-PE.

Please check the product details page for more images. Overall 5 images are available for ABIN1043025.

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