

Product datasheet for **AM26023RP-N**

Cd9 Rat Monoclonal Antibody [Clone ID: EM-04]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EM-04
Applications:	FC, WB
Recommended Dilution:	Flow cytometry: 6 µg/ml.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Permeabilized murine bone marrow-derived mast cells (BMMC)
Specificity:	This antibody recognizes CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 Label: PE State: Liquid purified Ig fraction Label: Conjugated with R-Phycoerythrin under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD9 antigen
Database Link:	Entrez Gene 12527 Mouse P40240



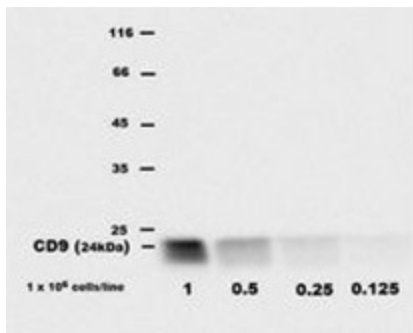
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Background:

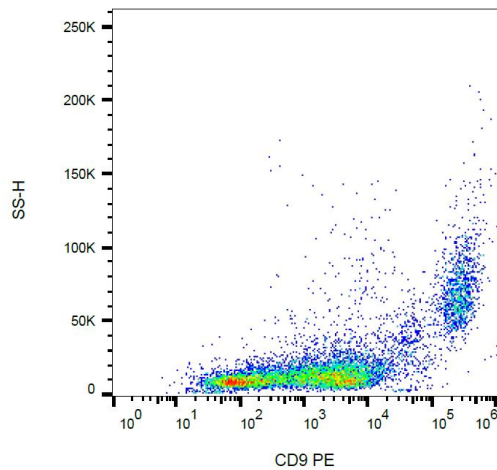
CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol-associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, 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.

Synonyms:

MIC3, TSPAN29, GIG2, p24, Tetraspanin-29, 5H9 antigen

Product images:


Detection of CD9 in bone marrow-derived mast cell (BMMC) lysates by rat monoclonal EM-04 antibody.



Surface staining of CD9 in murine peritoneal fluid cells with anti-CD9 (EM-04) PE.