

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: MAL09-061 **Lot #:** 2J28317
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Description: MAb to CD9
Monoclonal Antibody to Human CD9

Specificity: Recognizes an epitope on second extracellular domain (EC2) of human CD9 antigen, a 24 kDa single transmembrane polypeptide expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes. MEM-61 induces Fc gamma R-dependent platelet aggregation.

Host Animal: Mouse **Isotype:** IgG₁

Source: Ascites

Immunogen: Pre-B cell line NALM-6

Format: Purified, Liquid

Purification: > 95% pure (SDS-PAGE). Protein A Chromatography

Concentration: 1 mg/ml

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 15 mM Sodium Azide

Applications: Suitable for use in Flow Cytometry and Western Blot (non-reducing; 2-4 µg/mL). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short term, store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

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References:

The references listed below are for research purposes only:

1. Saito, Y., et al., (2006), "Absence of CD9 enhances adhesion-dependent morphologic differentiation, survival and matrix metalloproteinase-2 production in small cell lung cancer cells", Cancer Res., **66**(19): 9557-9565.
2. Israels, S.J., et al., (2007), "Platelet tetraspanin complexes and their association with lipid rafts", Thromb. Haemost., **98**(5): 1081-1087.
3. Kim, Y.J., (2007), "Role of CD9 in proliferation and proangiogenic action of human adipose-derived mesenchymal stem cells", Pflugers Arch., **455**(2): 283-296.
4. Unternaehrer, J.J., et al., (2007), "The tetraspanin CD9 mediates lateral association of MHC class II molecules on the dendritic cell surface", Proc. Natl. Acad. Sci. USA, **104**(1): 234-239
5. Leukocyte VI, Kishimoto, T., et al., (Eds.), Garland Publishing Inc., (1997).

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY