



PRODUCT DATA SHEET

Article #: **HBM-CD9B-###**

Antibody: **Mouse Monoclonal
Anti-Human CD9
Biotin conjugated**

Size: **50 µg or 100 µg**

Isotype:	Mouse IgG1
Specificity:	Anti-CD9 recognizes a human 24-kilodalton (kDa) single-chain cell-surface glycoprotein (p24) belonging to the tetraspanin family. The CD9 antigen has a very broad tissue distribution. It is present on basophils, eosinophils, monocytes, pre-B cells, B cells, and various leukemic cell lines (erythroid, myeloid, some T-lymphoid, pre-B-lymphoid). It is also found on follicular center cells, sinus histiocytes, macrophages, Kupffer cells, osteoclasts, hepatocytes, bile duct endothelium, renal glomeruli, proximal and distal tubuli, epithelia (intercellular spinous spaces) of skin and mucosa, fibroblasts, connective tissue, endothelium, smooth muscle, cardiac muscle, synovial lining cells, brain white matter, peripheral nerves and human keratin. In addition to being a co-stimulatory molecule, CD9 antigen activates platelets; induces mitogenesis and kinase activity; and is involved in cell migration, cell adhesion, and integrin signaling.
Immunogen:	Pre-B cell line NALM-6
Species reactivity:	Human
Applications:	ELISA Western Blot
Recommended dilutions:	Recommended antibody dilutions: ELISA (1/500), Western Blotting (1/1000), by using not reducing conditions.
Purity:	>95%, purified from tissue culture supernatant or ascites by protein-A affinity chromatography
Concentration:	1,0 mg/ml
Storage buffer:	Phosphate buffered saline (PSB) with 15 mM sodium azide, Approx. pH 7.4
Storage conditions:	Store undiluted at 4° C. Do not freeze!
Expiration:	See vial label. Do not use after expiration date stamped on vial label.
Lot number:	See vial label.
Product notes:	This reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis. It also can be used for immunohistochemistry on frozen tissue (spleen/thymus) sections (2-10 µg/ml). However, we do not recommend using this antibody on the formalin fixed paraffin tissue sections. Since applications vary, each investigator should titrate the reagent to obtain optimal results. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

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