

### 30-1114: Anti-CD9 Monoclonal Antibody (Clone:MEM-61)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-61
<b>Application :</b>	FACS, WB, IHC, Functional Assay, MC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD9
<b>Gene ID :</b>	928
<b>Uniprot ID :</b>	P21926
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD9,MIC3,TSPAN29,GIG2
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Pre-B cell line NALM-6.

#### Description

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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 5  $\mu\text{g/ml}$

**Western Blotting** *Recommended dilution:* 2-4  $\mu\text{g/ml}$

**Immunohistochemistry** *Recommended dilution:* 20  $\mu\text{g/ml}$

*Positive tissue:* prostate

**Mass Cytometry Functional Application** The antibody MEM-61 induces Fc $\gamma$ R-dependent platelet aggregation.