

## 30-1396: Anti-CD9 Monoclonal Antibody (Clone:EM-04)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	EM-04
<b>Application :</b>	FACS, IP, WB, ICC
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd9
<b>Gene ID :</b>	12527
<b>Uniprot ID :</b>	P40240
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Cd9
<b>Isotype :</b>	Rat IgG1
<b>Immunogen Information :</b>	Permeabilized murine bone marrow-derived mast cells (BMMC).

### 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

**Western Blotting** *Recommended dilution:* 1  $\mu$ g/ml

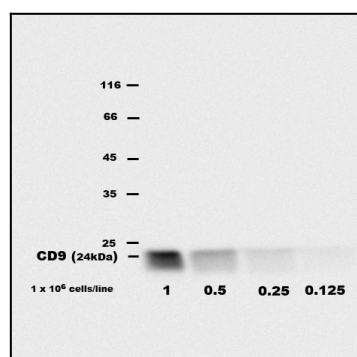


Figure 1: Detection of CD9 in bone marrow-derived mast cell (BMMC) lysates by rat monoclonal EM-04 antibody.