

## MONOCLONAL ANTIBODY

*For research use only. Not for diagnostic use.***Catalog No. SHI-EXO-M01-B****Anti CD9 [ Clone : 12A12 ]****BACKGROUND**

CD9 is a cell surface glycoprotein which belongs to the tetraspanin superfamily. CD9 is known to complex with integrins and other transmembrane 4 superfamily proteins. It is found on the surface of exosomes. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation.

<b>Product type</b>	Primary antibody
<b>Immunogen</b>	Human CD9 (a.a. 113-195)
<b>Raised in</b>	Mouse
<b>Myeloma</b>	-
<b>Clone number</b>	12A12
<b>Isotype</b>	IgG2b
<b>Source</b>	Culture supernatant
<b>Purification</b>	Affinity purified by Protein G
<b>Buffer</b>	Phosphate buffered saline containing 15 ppm ProClin
<b>Concentration</b>	1 mg / mL
<b>Volume</b>	100 uL
<b>Label</b>	Biotin
<b>Specificity</b>	Human CD9
<b>Reactivity</b>	Human and Bovine. No cross-reactivity with Rat and Mouse; Other species are not tested.
<b>Storage</b>	Store below - 40°C Aliquot to avoid cycles of freeze/thaw.

<b>Application notes</b>	<ul style="list-style-type: none"> <li>• <b>Western blotting:</b> 1/500 - 1/2,000 (0.5 - 2ug/mL, non-reductive condition)</li> </ul>
<b>Recommended dilutions</b>	<ul style="list-style-type: none"> <li>• <b>Immunoprecipitation:</b> 1/200 – 1/1,000 (1- 5ug/mL) * Experiment example : Serum Exosome</li> <li>• <b>ELISA:</b> 1/500 – 1/200,000 (5ng/mL - 0.5ug/mL)</li> <li>• <b>Flow cytometry:</b> 1/100~1/1,000 (1- 10ug/mL)</li> <li>• <b>Immunofluorescence:</b> 1/100~1/1,000 (1- 10ug/mL)</li> <li>• <b>Electron microscopy</b></li> </ul>

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

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