

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.

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

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

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