

Basic Information

Product Name	Anti-CD9 Antibody (Clone#CED-3)	
Gene Name	CD9	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human CD9	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	23 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20
	Flow Cytometry (FCM):	1:20

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

CD9 antigen is a protein that in humans is encoded by the CD9 gene. CD9 is a cell surface glycoprotein that 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. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. This protein also seems to be a key part in the egg-sperm fusion during mammalian fertilization. While oocytes are ovulated, CD9-deficient oocytes are not properly fused with sperm upon fertilization. CD9 is located in the microvillar membrane of the oocytes and also appears to intervene in maintaining the normal shape of oocyte microvilli.

Reference

Anti-CD9 Antibody (Clone#CED-3)被引用在8文献中。

Selected Validation Data

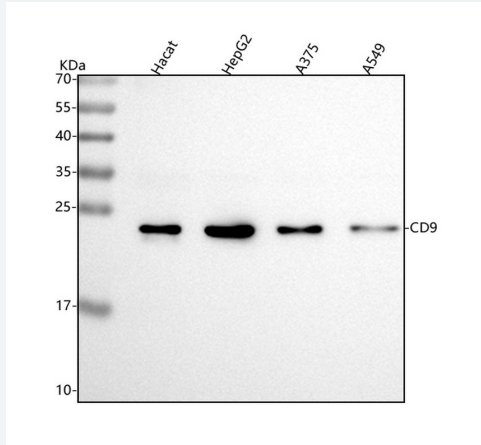
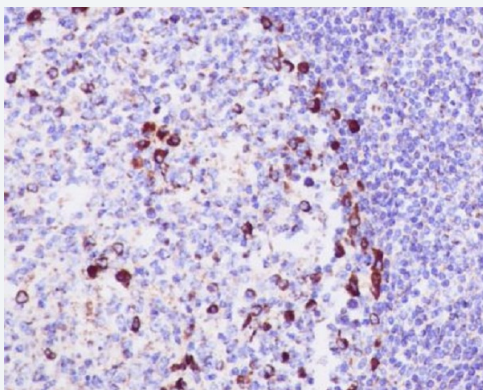


Figure 1. Western blot analysis of anti-CD9 antibody (BM4212). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hacat whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human A375 whole cell lysates,
Lane 4: human A549 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD9 antigen affinity purified monoclonal antibody (BM4212) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD9 at approximately 23 kDa. The expected band size for CD9 is at 25 kDa.



Immunohistochemical analysis of paraffin-embedded human tonsil, using CD9 Antibody.

Product datasheet

Anti-CD9 Antibody (Clone#CED-3)

Catalog Number: **BM4212**

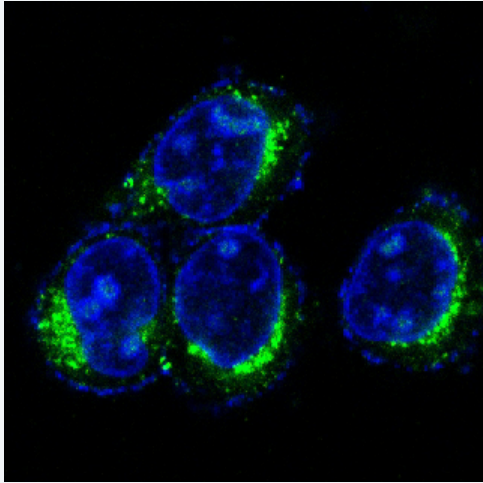
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Immunofluorescent analysis of HeLa cells, using CD9 Antibody .