

CD9 Monoclonal Antibody

catalog number: AN200033P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

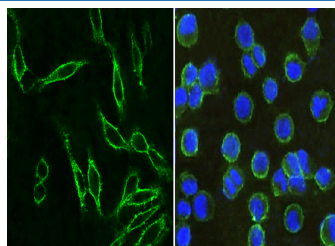
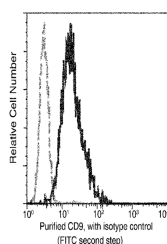
Description

Reactivity	Human
Immunogen	Recombinant Human CD9 protein
Host	Mouse
Isotype	IgG1
Clone	10F14
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Applications	Recommended Dilution
ICC/IF	1:50-1:1000
FCM	1:25-1:100

Data



Flow cytometric analysis of Human CD9 expression on HeLa cells. Cells were stained with purified anti-Human CD9, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Immunofluorescence analysis of Human CD9 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human CD9 Monoclonal Antibody (1:100) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope) Goat Anti-mouse IgG secondary antibody, countstained with DAPI for nuclear staining (blue). Positive staining was localized to plasma membrane.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis.

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