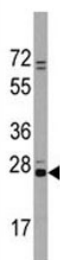


## CD9 Antibody (F44201)

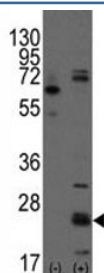
Catalog No.	Formulation	Size
F44201-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44201-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

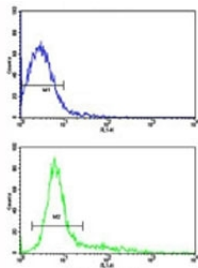
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P21926
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This CD9 antibody is available for research use only.



Western blot analysis of CD9 antibody and Jurkat lysate. Predicted molecular weight is 23-27 kDa



Western blot analysis of CD9 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD9 gene (2).



Flow cytometric analysis of Jurkat cells using CD9 antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

## Description

CD9 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. 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.

## Application Notes

Titration of the CD9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 21-51 from the human protein was used as the immunogen for this CD9 antibody.

## Storage

Aliquot the CD9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.