

Datasheet for ABIN3030434
anti-CD9 antibody (AA 21-51)



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5 Images

Overview

Quantity:	0.4 mL
Target:	CD9
Binding Specificity:	AA 21-51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD9 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 21-51 from the human protein was used as the immunogen for this CD9 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	CD9
Alternative Name:	CD9 (CD9 Products)
Background:	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

Target Details

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.

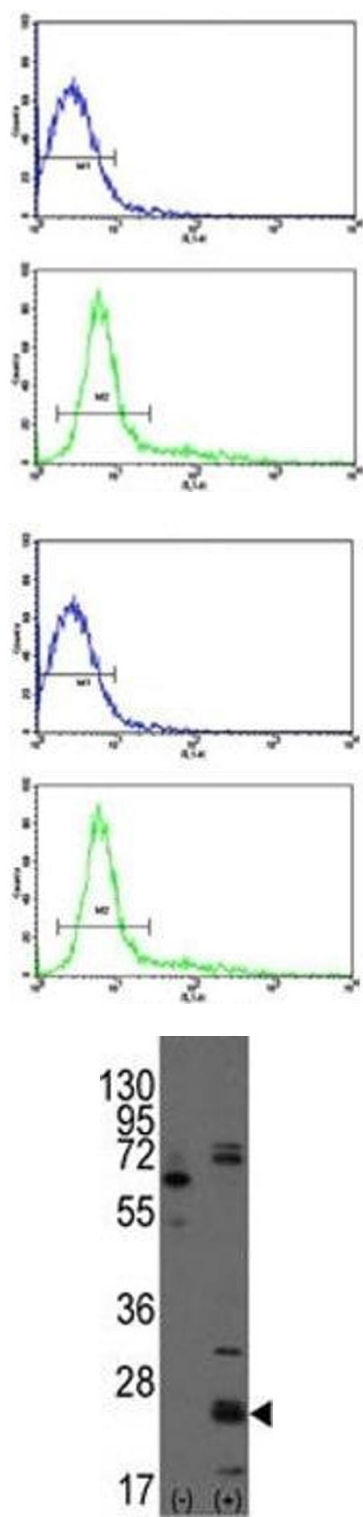
UniProt:	P21926
Pathways:	Response to Water Deprivation, Cell-Cell Junction Organization

Application Details

Application Notes:	Titration of the CD9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the CD9 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Flow Cytometry

Image 1. 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.

Flow Cytometry

Image 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.

Western Blotting

Image 3. 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).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030434.