

## CD9 (TSPAN29) (Motility-Related Protein-1) Antibody

Mouse Monoclonal Antibody [Clone CD9/2343]

Catalog No	Format	Size
928-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
928-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
928-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

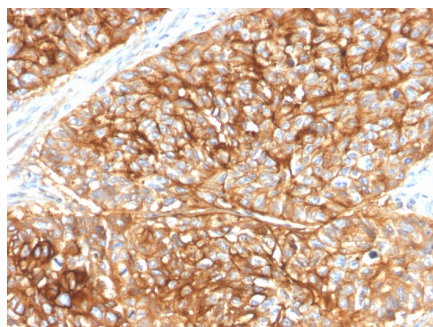
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

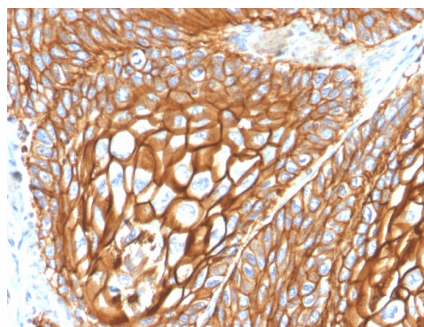
<b>Clone</b>	CD9/2343
<b>Gene Name</b>	CD9
<b>Immunogen</b>	Recombinant full-length human CD9 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	24kDa
<b>Cellular Localization</b>	Cell membrane, Extracellular exosome, Membrane, Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	BT-20, HeLa or ZR-75 cells. Cervix or Esophagus., MCF-7

\*Optimal dilution for a specific application should be determined.

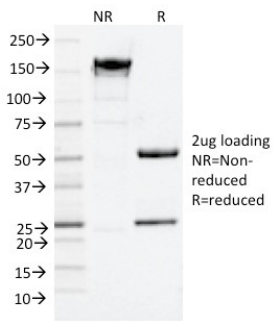
### Product Images for CD9 (TSPAN29) (Motility-Related Protein-1) Antibody



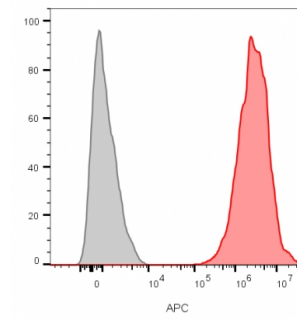
Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/2343).



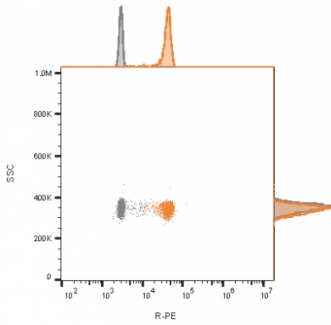
Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/2343).



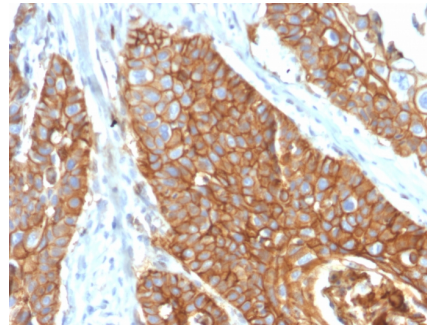
SDS-PAGE Analysis Purified CD9 Mouse Monoclonal Antibody (CD9/2343). Confirmation of Integrity and Purity of Antibody.



Flow Cytometry Analysis of MCF-7 cells unstained (gray) or stained with CD9 monoclonal antibody (CD9/2343) followed by goat anti mouse CF680 (red).



Flow cytometry of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray) or stained with CF568-labeled CD9 monoclonal antibody (CD9/2343) (orange).



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/2343).

### Specificity & Comments

CD9 is a type IV transmembrane glycoprotein with four transmembrane domains. CD9 on pre-B cells may play a role in cell-cell adhesion. In addition, CD9 may play a role in signal transduction mediated by interaction with low molecular weight GTP binding proteins. CD9 is expressed on early B cells, eosinophils, basophils and activated T cells and is a major component of the platelet cell surface. It is also expressed on most non-T acute lymphoblastic leukemia cells and on some acute myeloid and chronic lymphoid leukemia.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Endothelial Cell Marker, Infectious Disease

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.