

Mouse CD9 (TSPAN29) Monoclonal Antibody | anti-CD9 antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214580	Mouse	Human. Others not known.	Immunofluorescence, Flow Cytometry, Functional Assay

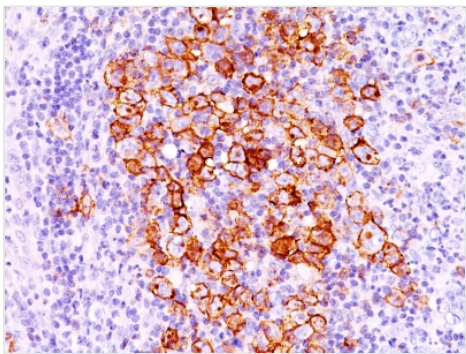
PRODUCT SYNONYMS

CD9 (TSPAN29); Monoclonal Antibody; CD9 (TSPAN29) (Motility-Related Protein-1); Tetraspanin-29 (TSPAN29); BA-2/p24 antigen; BA2; BTCC1; CD9; Cell growth-inhibiting gene 2 protein (GIG2); DRAP27; Leukocyte antigen MIC3; Motility-related protein (MRP1); p24; anti-CD9 antibody

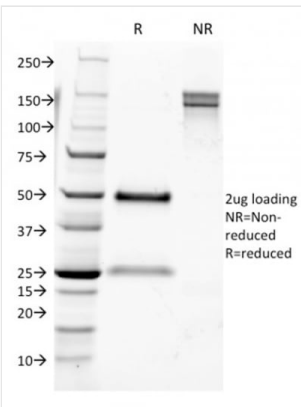
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CD9/1631
Specificity	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.
Form/Format	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.
Sequence Length	159
Applicable Applications for anti-CD9 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human CD9 protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	12p13.31
Positive Control	Human peripheral blood platelets, BT-20, HeLa or ZR-75 cells. Cervix or Esophagus.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Hodgkin's lymphoma stained with CD30 Ab (CD30/412).



SDS-PAGE
SDS Page analysis of purified CD9 (TSPAN29) (Motility-Related Protein-1) Mouse Monoclonal Antibody [Clone CD9/1631]

ADDITIONAL INFORMATION

References	Lanza, F., et al. 1991. cDNA cloning and expression of platelet p24/CD9. Evidence for a new family of multiple membrane-spanning proteins. J. Biol. Chem. 266: 10638-10645.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1057867401
NCBI GeneID	928
NCBI Accession #	NP_001317241.1
NCBI GenBank Nucleotide #	NM_001330312.1
UniProt Accession #	P21926; Q5J7W6; Q96ES4; D3DUQ9
Molecular Weight	24kDa
NCBI Official Full Name	CD9 antigen isoform 2
NCBI Official Synonym Full Names	CD9 molecule
NCBI Official Symbol	CD9
NCBI Official Synonym Symbols	MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29
NCBI Protein Information	CD9 antigen
UniProt Protein Name	CD9 antigen
UniProt Gene Name	CD9
UniProt Synonym Gene Names	MIC3; TSPAN29; MRP-1; Tspan-29

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.