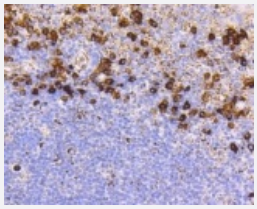
RecomAb™ Sm Size

CD9 recombinant monoclonal antibody

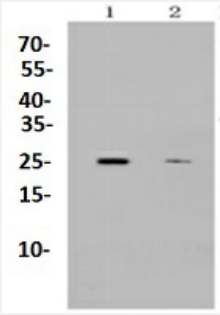
Catalog # RAB09346 Size 50 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using CD9 recombinant monoclonal antibody (Cat # RAB09346).



Western Blot (Cell lysate)

Western blot analysis of Lane1: The heart tissue lysate of Mouse Lane2: Jurkat whole cell lysate with CD9 recombinant monoclonal antibody (Cat # RAB09346) at 1:500 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against CD9.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant CD9.
Theoretical MW (kDa)	25
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of CD9 and does not cross-react with related proteins.

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:20-1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human tonsil tissue using CD9 recombinant monoclonal antibody (Cat # RAB09346).

- Western Blot (Cell lysate)

  Western blot analysis of Lane1: The heart tissue lysate of Mouse Lane2: Jurkat whole cell lysate with CD9 recombinant monoclonal antibody (Cat # RAB09346) at 1:500 dilution.

Gene Info — CD9

Entrez GeneID	928
Protein Accession#	P21926
Gene Name	CD9
Gene Alias	5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29
Gene Description	CD9 molecule

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Omim ID	143030
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known a s the tetraspanin family. Most of these members are cell-surface proteins that are characterized b y 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 encoded prot ein 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 activa tion and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. [provided by RefSeq
Other Designations	5H9 antigen|CD9 antigen|CD9 antigen (p24)|OTTHUMP00000041574|OTTHUMP00000041576| antigen defined by monoclonal antibody 602-29|growth-inhibiting gene 2 protein|leukocyte antigen MIC3|motility related protein|motility related protein-1|p24 antigen

Pathway

- Hematopoietic cell lineage

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Infertility
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis

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