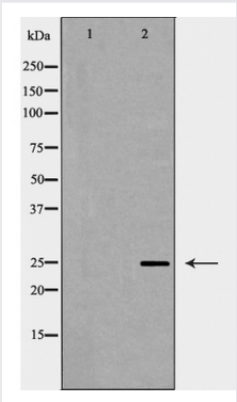
# CD9 Antibody

## PRODUCT OVERVIEW

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| **Product Name** | CD9, Antibody |
| **Full Product Name** | CD9 Antibody |
| **Product Gene Name** | anti-CD9 antibody |
| **Product Synonym Names** | CD9 Antibody; 5H9 antigen Antibody; BA2 Antibody; BA-2/p24 antigen Antibody; CD9 antigen Antibody; CD9 antigen (p24) Antibody; DRAP-27 Antibody |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | Immunogen affinity purified |
| **Specificity** | CD9 Antibody detects endogenous levels of total CD9 |
| **Preparation and Storage** | Store at-20 degree C for 1 year |
| **Molecular Weight** | 25KD |
| **OMIM** | 143030 |
| **3D Structure** | ModBase 3D Structure for P21926 |
| **Immunogen** | A synthesized peptide |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-CD9 antibody** | Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |
| **Application Notes for anti-CD9 antibody** | WB: 1:500-1:1000<br>IHC: 1:50-1:200<br>IF: 1:200 |
| **Related Product Information for anti-CD9 antibody** | Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion. |
| **Other Notes** | Small volumes of anti-CD9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for CD9 purchase** | MBS8511770 is an antibody targeting CD9. Also known as CD9 Antibody. Reactive in Human, Mouse, Rat. |




**Western Blot (WB) of anti-CD9 antibody**
Western blot analysis of CD9 expression in COLO cells

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD9. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 1057867401 |
| **NCBI GeneID** | 928 |
| **NCBI Accession #** | NP_001317241.1 |
| **UniProt Primary Accession #** | P21926 |
| **UniProt Secondary Accession #** | Q5J7W6; Q96ES4; D3DUQ9 |
| **UniProt Related Accession #** | P21926 |
| **GenBank Nucleotide #** | NM_001330312.1 |
| **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 |
| **UniProt Protein Name** | CD9 antigen |
| **UniProt Synonym Protein Names** | 5H9 antigen; Cell growth-inhibiting gene 2 protein; Leukocyte antigen MIC3; Motility-related protein; MRP-1; Tetraspanin-29; Tspan-29; p24; CD_antigen: CD9 |
| **Protein Family** | CD9 antigen |
| **UniProt Gene Name** | CD9 |
| **UniProt Synonym Gene Names** | MIC3; TSPAN29; MRP-1; Tspan-29 |
| **NCBI Protein Information** | CD9 antigen |
| **NCBI Summary for CD9** | This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011] |
| **Research Articles on CD9** | **1.** Exosomal markers CD63 and CD9 are elevated in pancreatic tumor tissues. |

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| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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