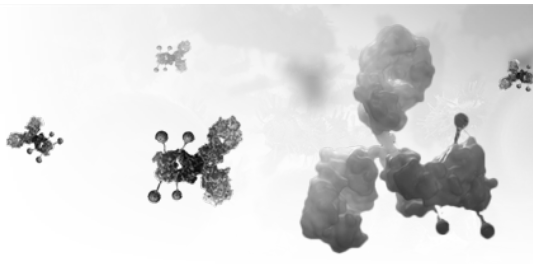

# Mouse anti-Human ADAM9 monoclonal antibody, clone 4F7 (CABT-B9725)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Immunogen** | ADAM9 (NP_003807, 36 a.a. ~ 136 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 4F7 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,sELISA,ELISA |
| **Sequence Similarities** | QTSHLSSYEIITPWRLTRERREAPRPYSKQVSYVIQAEGKEHIIHLERNKDLLPEDFVVY TYNKEGTLITDHPNIQNHCHYRGYVEGVHNSSIALSDCFG* |
| **Format** | Liquid |
| **Size** | 100 µg |
| **Buffer** | In 1x PBS, pH 7.2 |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## BACKGROUND

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| **Introduction** | This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom |

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|---|---|
| | disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2010] |
| **Keywords** | ADAM9; ADAM metallopeptidase domain 9; MCMP; MDC9; CORD9; Mltng; disintegrin and metalloproteinase domain-containing protein 9; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9; |

# GENE INFORMATION

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|---|---|
| **Entrez Gene ID** | 8754 |
| **UniProt ID** | Q13443 |
| **Function** | SH3 domain binding; SH3 domain binding; collagen binding; integrin binding; integrin binding; integrin binding; laminin binding; metal ion binding; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; protein binding; protein kinase C binding; zinc ion binding |

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