

Mouse Anti-Human ADAM Metallopeptidase Domain 12 Monoclonal Antibody

Cat. No. CABT-676MH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-Human ADAM metallopeptidase domain 12 Monoclonal Antibody.
Species	Human
Source	Mouse
Antigen Description	This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene has two alternatively spliced transcripts: a shorter secreted form and a longer membrane-bound form. The shorter form is found to stimulate myogenesis.
Host Animal	Mouse
Species Reactivity	Human
Immunogen	A recombinant polypeptide corresponding to amino acids 208-305 of human ADAM12, expressed as a GST fusion protein.
Clone	2H4
Isotype	IgG3

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Format	Purified
Presentation	Liquid; In PBS, pH 7.2, containing no preservative.
Applications	ELISA (this antibody can be used as the capture antibody; recommended concentration is 10 ng/ml, 1 µg/well, 100 µl total volume. Variables associated with assay conditions will dictate the proper working dilution); Immunoblotting (1-5 µg/ml).
Storage	Following initial thaw, aliquot and freeze (-20°C). Avoid repeated freeze-thaw.
Official symbol	ADAM12

GENE INFORMATION

Gene Name	ADAM12 ADAM metallopeptidase domain 12 [Homo sapiens]
Synonyms	ADAM12; ADAM metallopeptidase domain 12; MCMP; MCMPMItna; MLTN; MLTNA; A Disintegrin and Metalloprotease Domain 12 S isoform; ADAM12 precursor (EC 3.4.24); Meltrin alpha; ADAM12 ADAM metallopeptidase domain 12; OTTHUMP00000020727; OTTHUMP00000046766; a disintegrin and metalloproteinase domain 12 (meltrin alpha); EC 3.4.24.; A disintegrin and metalloproteinase domain 12
Gene ID	8038
mRNA Refseq	NM_003474
Protein Refseq	NP_003465
MIM	602714

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UniProt ID	O43184
Chromosome Location	10q26.3
Pathway	Signaling by EGFR
Function	SH3 domain binding; metal ion binding ; metalloendopeptidase activity; peptidase activity; protein binding; zinc ion binding

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