



ADAM17 blocking peptide (CDBP6236)

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

PRODUCT INFORMATION

Antigen Description	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 disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene functions as a tumor necrosis factor-alpha converting enzyme; binds mitotic arrest deficient 2 protein; and also plays a prominent role in the activation of the Notch signaling pathway. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ADAM17 ADAM metallopeptidase domain 17 [Homo sapiens (human)]
Official Symbol	ADAM17
Synonyms	ADAM17; ADAM metallopeptidase domain 17; CSVP; TACE; NISBD; ADAM18; CD156B; disintegrin and metalloproteinase domain-containing protein 17; TNF-alpha convertase; snake venom-like protease; TNF-alpha converting enzyme; ADAM metallopeptidase domain 18; tumor

necrosis factor, alpha, converting enzyme

Entrez Gene ID	6868
mRNA Refseq	NM_003183
Protein Refseq	NP_003174
UniProt ID	P78536
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus; Alzheimer's disease; Alzheimers Disease; Apoptosis; BDNF signaling pathway; Collagen degradation; Constitutive Signaling by NOTCH1 HD Domain Mutants; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants
Function	Notch binding; PDZ domain binding; SH3 domain binding; integrin binding; interleukin-6 receptor binding; metalloendopeptidase activity; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; metallopeptidase activity; metallopeptidase activity; protein binding; zinc ion binding