



## ADAM17 peptide (DAG-P0082)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Specificity</b>	Ubiquitously expressed. Expressed at highest levels in adult heart, placenta, skeletal muscle, pancreas, spleen, thymus, prostate, testes, ovary and small intestine, and in fetal brain, lung, liver and kidney.
<b>Purity</b>	> 95 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Sequence Similarities</b>	Contains 1 disintegrin domain.Contains 1 peptidase M12B domain.
<b>Format</b>	Liquid
<b>Buffer</b>	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADAM17 ADAM metallopeptidase domain 17 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ADAM17
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">6868</a>
<b>mRNA Refseq</b>	<a href="#">NM_003183.4</a>
<b>Protein Refseq</b>	<a href="#">NP_003174.3</a>
<b>UniProt ID</b>	B2RNB2
<b>Chromosome Location</b>	2p25
<b>Pathway</b>	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Apoptosis, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Constitutive Signaling by NOTCH1 HD Domain Mutants, organism-specific biosystem; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants,
<b>Function</b>	Notch binding; PDZ domain binding; SH3 domain binding; integrin binding; interleukin-6 receptor binding; metalloendopeptidase activity; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; metallopeptidase activity; met