ADAM17 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADAM17, Polyclonal Antibody
Full Product Name	ADAM17, CT (Disintegrin and Metalloproteinase Domain-containing Protein 17, TNF-alpha-converting Enzyme, TNF-alpha cOnvertase, Snake Venom-like Protease, CD156b Antigen, CSVP, TACE) (MaxLight 750)
Product Gene Name	anti-ADAM17 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human ADAM17.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	Predicted: 93 kDa
OMIM	603639
3D Structure	ModBase 3D Structure for P78536
Immunogen	Synthetic peptide selected from the C-terminal region of human ADAM17 (KLH).
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-ADAM17 antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-ADAM17 antibody	Western Blot (WB), FLISA
Application Notes for anti-ADAM17 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ADAM17 antibody	MBS6502006 is an antibody targeting ADAM17. Also known as ADAM17, CT (Disintegrin and Metalloproteinase Domain-containing Protein 17, TNF-alpha-converting Enzyme, TNF-alpha cOnvertase, Snake Venom-like Protease, CD156b Antigen, CSVP, TACE) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-ADAM17 antibody	1. Tellier, E., J. Cell. Physiol. 214(3), 687-693 (2008). 2. Takamune, Y., Biochem. Biophys. Res. Commun. 365(2), 393-398 (2008).
Other Notes	Small volumes of anti-ADAM17 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM17. It may not necessarily be applicable to this product.

NCBI GI #	73747889
NCBI GeneID	6868
NCBI Accession #	NP_003174
UniProt Primary Accession #	P78536
UniProt Secondary Accession #	O60226
UniProt Related Accession #	P78536
GenBank Nucleotide #	NM_003183.4
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 17 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 17
NCBI Official Symbol	ADAM17
NCBI Official Synonym Symbols	CSVP; TACE; NISBD; ADAM18; CD156B; NISBD1
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 17
UniProt Synonym Protein Names	Snake venom-like protease; TNF-alpha convertase; TNF-alpha-converting enzyme
Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	ADAM17
UniProt Synonym Gene Names	CSVP; TACE; ADAM 17
UniProt Entry Name	ADA17_HUMAN
NCBI Protein Information	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
NCBI Summary for ADAM17	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]

UniProt Comments for ADAM17	TACE: a type I membrane protein with disintegrin and metalloprotease activity. An ubiquitously expressed ectoenzyme of peptidase family M12B. Must be membrane anchored to cleave the different substrates. The cytoplasmic domain is not required for the this activity. Possesses a narrow endopeptidase specificity. Cleaves Pro-Leu-Ala-Gln-Ala-|-Val-Arg-Ser-Ser-Ser in the membrane-bound, 26-kDa form of tumor necrosis factor alpha (TNF-alpha) to its mature soluble form. Responsible for the proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, and the amyloid precursor protein. Also involved in the activation of Notch pathway. Binds 1 zinc ion per subunit. Two splice variant isoforms have been described. Protein type: Motility/polarity/chemotaxis; EC 3.4.24.86; Protease; Membrane protein, integral Chromosomal Location of Human Ortholog: 2p25 Cellular Component: cell surface; focal adhesion; membrane; integral to plasma membrane; apical plasma membrane; cytoplasm; plasma membrane; intercellular junction; actin cytoskeleton; lipid raft Molecular Function: integrin binding; protein binding; interleukin-6 receptor binding; zinc ion binding; metallopeptidase activity; metalloendopeptidase activity; Notch binding; SH3 domain binding; PDZ domain binding Biological Process: extracellular matrix organization and biogenesis; nerve growth factor receptor signaling pathway; cell motility involved in cell locomotion; neutrophil mediated immunity; T cell differentiation in the thymus; response to lipopolysaccharide; positive regulation of leukocyte chemotaxis; proteolysis; G1/S-specific positive regulation of cyclin-dependent protein kinase activity; extracellular matrix disassembly; positive regulation of epidermal growth factor receptor activity; positive regulation of cell proliferation; negative regulation of interleukin-8 production; germinal center formation; cell adhesion; response to drug; spleen development; epidermal growth factor receptor signaling pathway; Notch signaling pathway; membrane protein intracellular domain proteolysis; response to high density lipoprotein stimulus; membrane protein ectodomain proteolysis; positive regulation of transforming growth factor beta receptor signaling pathway; Notch receptor processing; positive regulation of cell motility; positive regulation of cell growth; positive regulation of chemokine production; collagen catabolic process; regulation of mast cell apoptosis; PMA-inducible membrane protein ectodomain proteolysis; B cell differentiation; response to hypoxia; cell adhesion mediated by integrin; positive regulation of protein amino acid phosphorylation; negative regulation of transforming growth factor beta receptor signaling pathway; wound healing, spreading of epidermal cells; positive regulation of cell migration Disease: Inflammatory Skin And Bowel Disease, Neonatal, 1
Research Articles on ADAM17	**1.** ADAM17 RNAi decreased EMMPRIN, p-EGFR, p-ERK, MMP-2, and MMP-9 proteins in SiHa and HeLa cells
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/adam17/6502006