



ADAM12 peptide (DAG-P0122)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of a family of proteins that are 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. Expression of this gene has been used as a maternal serum marker for pre-natal development. Alternative splicing results in multiple transcript variants encoding different isoforms. Shorter isoforms are secreted, while longer isoforms are membrane-bound form. [provided by RefSeq, Jan 2014]
Specificity	Isoform 1 is expressed in placenta and skeletal, cardiac, and smooth muscle. Isoform 2 seems to be expressed only in placenta or in embryo and fetus. Both forms were expressed in some tumor cells lines. Not detected in brain, lung, liver, kidney or pancre
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Sequence Similarities	Contains 1 disintegrin domain.Contains 1 EGF-like domain.Contains 1 peptidase M12B domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	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

Gene Name	ADAM12 ADAM metallopeptidase domain 12 [Homo sapiens (human)]
Official Symbol	ADAM12
Synonyms	ADAM12; ADAM metallopeptidase domain 12; MCMP; MLTN; CAR10; MLTNA; MCMPMltna; ADAM12-OT1; disintegrin and metalloproteinase domain-containing protein 12; meltrin-alpha; metalloprotease-disintegrin 12 transmembrane;
Entrez Gene ID	8038
mRNA Refseq	NM_001288973.1
Protein Refseq	NP_001275902.1
UniProt ID	U5NE98
Chromosome Location	10q26
Pathway	Disease, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by EGFR, organism-specific biosystem; Signaling by EGFR in Cancer, organism-specific biosystem; Syndecan-4-mediated signaling events, organism-specific biosystem;
Function	SH3 domain binding; metalloendopeptidase activity; metallopeptidase activity; protein binding; zinc ion binding;