



ADAM15 peptide (DAG-P0127)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Specificity	Expressed in colon and small intestine. Expressed in airway smooth muscle and glomerular mesangial cells (at protein level). Ubiquitously expressed. Overexpressed in atherosclerotic lesions. Constitutively expressed in cultured endothelium and smooth musc
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	ADAM15 ADAM metallopeptidase domain 15 [Homo sapiens (human)]
Official Symbol	ADAM15
Synonyms	ADAM15; ADAM metallopeptidase domain 15; MDC15; disintegrin and metalloproteinase domain-containing protein 15; MDC-15; metalloprotease RGD disintegrin protein; a disintegrin and metalloproteinase domain 15 (metargidin); metalloproteinase-like, disintegrin-like, and cysteine-rich protein 15;
Entrez Gene ID	8751
mRNA Refseq	NM_001261464.1
Protein Refseq	NP_001248393.1
UniProt ID	Q13444
Chromosome Location	1q21.3
Pathway	Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	SH3 domain binding; metalloendopeptidase activity; metallopeptidase activity; protein binding; zinc ion binding;