

ARG81558 Human ADAM9 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81558-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81558-002	Standard	2 X 10 ng/vial	4°C
ARG81558-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81558-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81558-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81558-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81558-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81558-008	25X Wash buffer	20 ml	4°C
ARG81558-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81558-010	STOP solution	10 ml (Ready to use)	4°C
ARG81558-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81558 Human ADAM9 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ADAM9 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	ADAM9
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.3%
Alternate Names	MDC9; Meltrin-gamma; ADAM 9; Metalloprotease/disintegrin/cysteine-rich protein 9; Disintegrin and metalloproteinase domain-containing protein 9; Cellular disintegrin-related protein; EC 3.4.24.-; CORD9; Mltng; MCMP; Myeloma cell metalloproteinase

Application Instructions

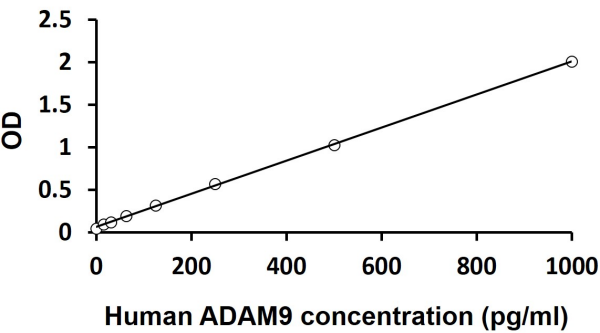
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ADAM9
Gene Full Name	ADAM metalloproteinase domain 9
Background	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 biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2010]
Function	Probable zinc protease. May mediate cell-cell or cell-matrix interactions. Isoform 2 displays alpha-secretase activity for APP. [UniProt]
Highlight	Related products: ADAM antibodies ; ADAM ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Proteolytically cleaved in the trans-Golgi network before it reaches the plasma membrane to generate a mature protein. The removal of the pro-domain occurs via cleavage at two different sites. Processed most likely by a pro-protein convertase such as furin, at the boundary between the pro-domain and the catalytic domain. An additional upstream cleavage pro-protein convertase site (Arg-56/Glu-57) has an important role in the activation of ADAM9. Phosphorylation is induced in vitro by phorbol-12-myristate-13-acetate (PMA). [UniProt]



ARG81558 Human ADAM9 ELISA Kit standard curve image

ARG81558 Human ADAM9 ELISA Kit results of a typical standard run with optical density reading at 450 nm.