

ARG81812 Mouse Thrombomodulin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81812-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81812-002	Standard	2 X 10 ng/vial	4°C
ARG81812-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81812-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81812-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81812-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81812-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81812-008	25X Wash buffer	20 ml	4°C
ARG81812-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81812-010	STOP solution	10 ml (Ready to use)	4°C
ARG81812-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81812 Mouse Thrombomodulin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Thrombomodulin in serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Thrombomodulin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.2%; Inter-Assay CV: 6.3%
Alternate Names	THRM; CD antigen CD141; THPH12; TM; Thrombomodulin; CD141; BDCA3; Fetomodulin; AHUS6

Application Instructions

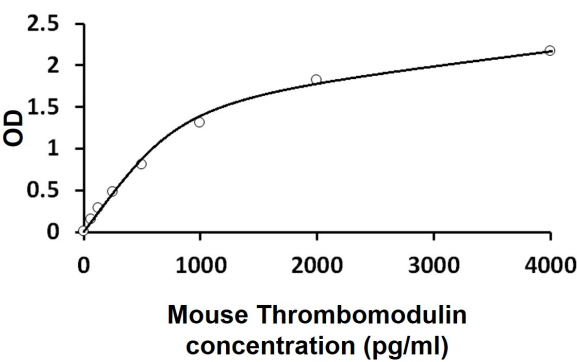
Assay Time	~ 5 hours
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Properties

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	THBD
Gene Full Name	thrombomodulin
Background	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. [provided by RefSeq, Jul 2008]
Function	Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated. [UniProt]
Highlight	Related products: Thrombomodulin antibodies ; Thrombomodulin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. [UniProt]



ARG81812 Mouse Thrombomodulin ELISA Kit standard curve image

ARG81812 Mouse Thrombomodulin ELISA Kit results of a typical standard run with optical density reading at 450 nm.