

## ARG81318 Human Thrombomodulin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81318 Human Thrombomodulin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Thrombomodulin in serum, plasma and cell culture supernatant.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Recognizes both natural and recombinant Human soluble Thrombomodulin. No cross reactivity with other Human soluble molecules.
Target Name	Thrombomodulin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.31 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.625 - 20 ng/ml
Sample Volume	100 µl (cell culture supernatants); 50 µl (serum and plasma)
Alternate Names	THRM; CD antigen CD141; THPH12; TM; Thrombomodulin; CD141; BDCA3; Fetomodulin; AHUS6

### Application Instructions

Assay Time	~ 2 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](#)

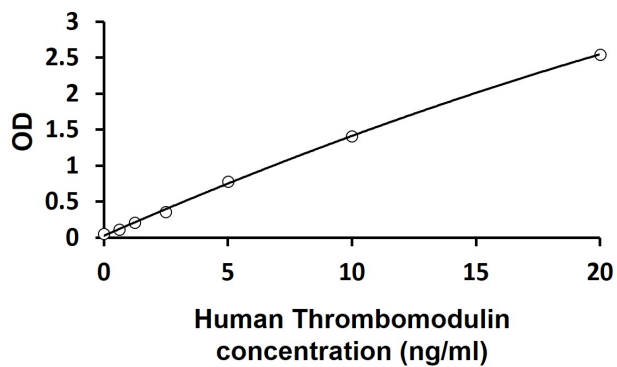
#### PTM

N-glycosylated.

The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. [UniProt]

## Images

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ARG81318 Human Thrombomodulin ELISA Kit standard curve image

ARG81318 Human Thrombomodulin ELISA Kit results of a typical standard run with optical density reading at 450 nm.