

Product datasheet for **AM31360AF-N**

Thrombomodulin (THBD) Mouse Monoclonal Antibody [Clone ID: B-A35]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-A35
Applications:	ELISA
Recommended Dilution:	ELISA Capture Antibody: This antibody can be used as Capture in a Human CD141 Sandwich Immunoassay to detect Human CD141 in combination with Biotinylated Human CD141 Detection Antibody AM31361BT-N. <i>Suggested Coating Concentration: 0.2-1 µg/ml.</i>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	TF1 cell line.
Specificity:	Recognises Thrombomodulin (TM), a 105 kDa protein.
Formulation:	PBS, Sterile-filtered through 0.22 µm, Carrier and preservative free State: Azide Free State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	thrombomodulin
Database Link:	Entrez Gene 7056 Human P07204



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Background:	CD141/Thrombomodulin is an exclusively endothelial cell surface glycoprotein that forms a 1:1 complex with thrombin. Binding of thrombin to this high-affinity receptor alters its specificity toward several substrates. The complex activates protein C approximately 1000 times faster than thrombin alone. Activated protein C degrades clotting factors V and VIII; thus, thrombomodulin converts thrombin into a physiologic anticoagulant. Thrombomodulin is also found in the circulatory and urinary systems, the physiologic significance of this is obscure.
Synonyms:	Thrombomodulin, THRM, Fetomodulin
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Complement and coagulation cascades