# SANTA CRUZ BIOTECHNOLOGY, INC.

# TM (22-321): sc-4536 WB



### BACKGROUND

Thrombomodulin (TM, also called CD141) is a type I membrane receptor that is specific to endothelial cells. TM has a cysteine-rich extracellular domain with 6 EGF-like regions. TM forms a complex with thrombin, which activates protein C to generate activated protein C (APC), an anti-coagulant enzyme. APC together with protein S inhibits coagulation by inactivating factors Va and VIIIa. Deletion of the TM gene results in embryonic lethality in mice.

# REFERENCES

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#### CHROMOSOMAL LOCATION

Genetic locus: THBD (human) mapping to 20p11.2; Thbd (mouse) mapping to 2 G3.

#### SOURCE

TM (22-321) is expressed in *E. coli* as a 60 kDa tagged fusion protein corresponding to amino acids 22-321 of TM of human origin.

## PRODUCT

TM (22-321) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10  $\mu$ g in 0.1 ml SDS-PAGE loading buffer.

#### **APPLICATIONS**

TM (22-321) is suitable as a Western blotting control for sc-9162 and sc-13164.

#### **STORAGE**

Store at -20° C; stable for one year from the date of shipment.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.