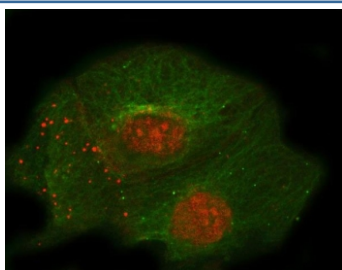


Thrombomodulin Antibody / THBD (RQ7756)

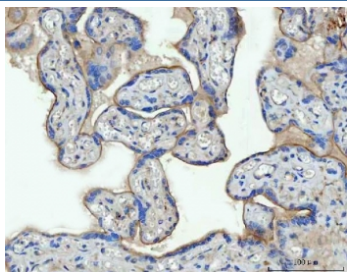
Catalog No.	Formulation	Size
RQ7756	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

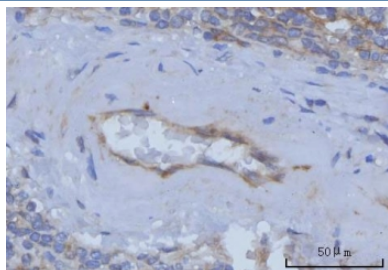
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P07204
Localization	Cell surface, cytoplasm, nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Immunoprecipitation : 2ug antibody/500ug lysate Direct ELISA : 0.1-0.5ug/ml
Limitations	This Thrombomodulin antibody is available for research use only.



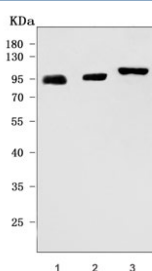
Immunofluorescent staining of FFPE human A431 cells with Thrombomodulin antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



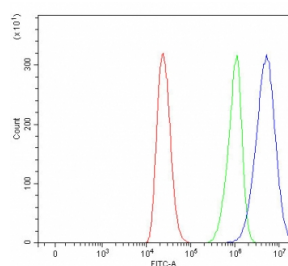
IHC staining of FFPE human placental tissue with Thrombomodulin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



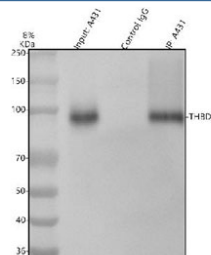
IHC staining of FFPE human spleen tissue with Thrombomodulin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human RT4, 2) human A431 and 3) rat PC-12 cell lysate with Thrombomodulin antibody. Expected molecular weight: 60-100 kDa depending on glycosylation.



Flow cytometry testing of human ThP-1 cells with Thrombomodulin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=Thrombomodulin antibody.



Immunoprecipitation of Thrombomodulin protein from 500ug of human A431 whole cell lysate with 2ug of Thrombomodulin antibody.

Description

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.

Application Notes

Optimal dilution of the Thrombomodulin antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q29-L575) was used as the immunogen for the Thrombomodulin antibody.

Storage

After reconstitution, the Thrombomodulin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.