

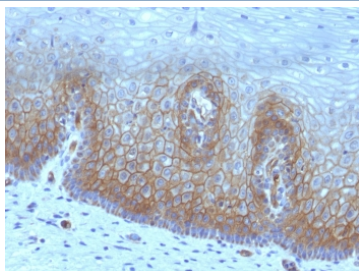
## Recombinant Thrombomodulin Antibody / CD141 [clone rTHBD/1591] (V3557)

Catalog No.	Formulation	Size
V3557-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3557-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3557SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3557IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

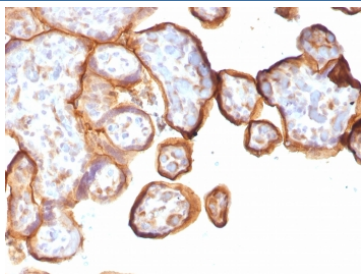
### Recombinant MOUSE MONOCLONAL

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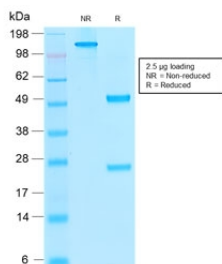
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rTHBD/1591
Purity	Protein G affinity chromatography
UniProt	P07204
Localization	Cell surface, cytoplasmic
Applications	ELISA : 2-4ug/ml (order BSA/azide-free format) Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant Thrombomodulin antibody is available for research use only.



IHC testing of FFPE human cervical carcinoma with recombinant Thrombomodulin antibody (clone rTHBD/1591). HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human placenta with recombinant Thrombomodulin antibody (clone rTHBD/1591). HIER: boil tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Thrombomodulin antibody (clone rTHBD/1591) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Thrombomodulin antibody (clone rTHBD/1591). These results demonstrate the foremost specificity of the rTHBD/1591 mAb. **Z-** and **S-** score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD±s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD±s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

It recognizes a protein of 75kDa, identified as Thrombomodulin. Thrombomodulin is a transmembrane glycoprotein with natural anticoagulant properties. It is normally expressed by a restricted number of cells, such as endothelial and mesothelial cells. In addition, synovial lining and syncytio-trophoblasts of placenta also express thrombomodulin. This protein is present in almost all of benign vascular tumors and majority of malignant vascular tumors (Kaposi s sarcoma, angiosarcoma, and epithelioid hemangioendothelioma). Hence, anti-thrombomodulin serves as a sensitive marker for lymphatic endothelial cells and their tumors. Recently, thrombomodulin antibody has been used for mesothelial cells and malignant mesotheliomas.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the recombinant Thrombomodulin antibody to be titrated up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human recombinant partial protein corresponding to amino acids 69-194 was used as the immunogen for this recombinant Thrombomodulin antibody.

## Storage

Store the recombinant Thrombomodulin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

