

Datasheet for ABIN6940728

**anti-Thrombomodulin antibody (AA 69-194)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	Thrombomodulin (THBD)
Binding Specificity:	AA 69-194
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Thrombomodulin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat), Immunostaining (Ist), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 69-194) of human Thrombomodulin (CD141) protein (exact sequence is proprietary)
Clone:	THBD-1782
Isotype:	IgG2a kappa
Specificity:	It recognizes a protein of 75 kDa, 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-

## Product Details

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.

Purification: Purified by Protein A/G

## Target Details

Target: Thrombomodulin (THBD)

Alternative Name: THBD ([THBD Products](#))

Molecular Weight: ~100kDa

Gene ID: 7056

UniProt: [P07204](#)

## Application Details

Application Notes: Positive Control: THP1 cells. Placenta, Angiosarcoma, Bladder or Cervical Carcinoma.  
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

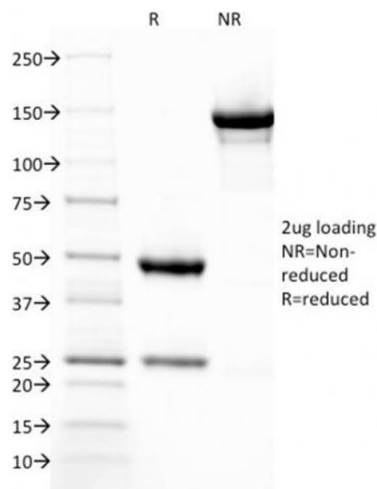
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

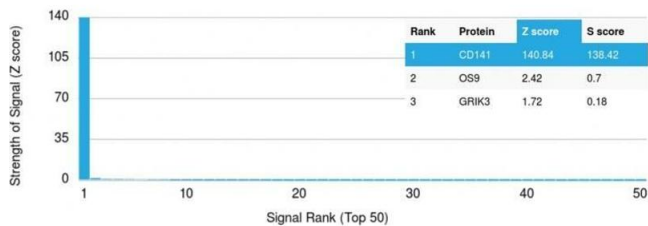
Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



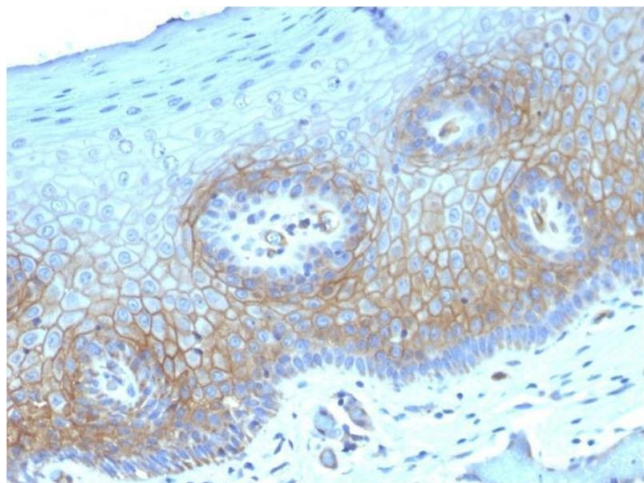
SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Thrombomodulin Mouse Monoclonal Antibody (THBD/1782). Confirmation of Purity and Integrity of Antibody.



Protein Array

**Image 2.** Analysis of Protein Array containing >19,000 full-length human proteins using Thrombomodulin/CD141 Mouse Monoclonal Antibody (THBD/1782) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Thrombomodulin/CD141 Mouse Monoclonal Antibody (THBD/1782).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940728.