

Datasheet for ABIN6242220

anti-Thrombomodulin antibody (AA 92-126)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µL
Target:	Thrombomodulin (THBD)
Binding Specificity:	AA 92-126
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thrombomodulin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	This THBD antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 92-126 amino acids from human THBD.
Clone:	RB56919
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Thrombomodulin (THBD)
Alternative Name:	THBD (THBD Products)
Background:	Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex

Target Details

with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated.

Molecular Weight: 60329

UniProt: [P07204](#)

Application Details

Application Notes: IF: 1:25. WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

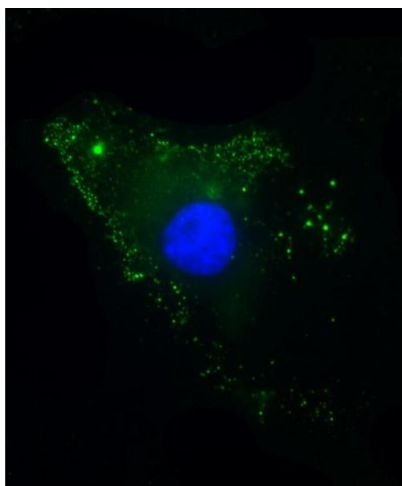
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

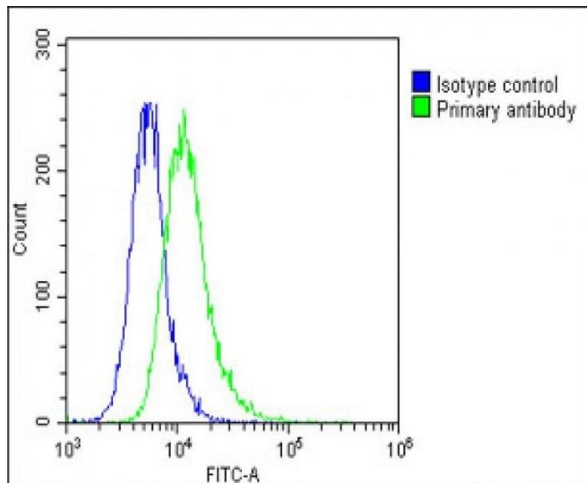
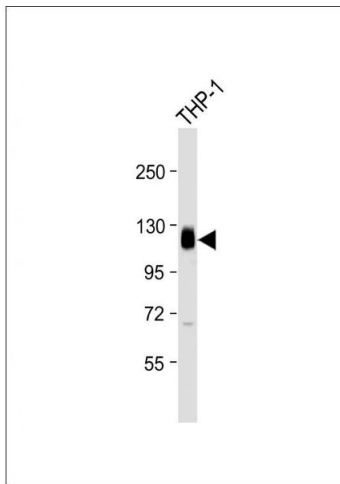
Expiry Date: 6 months

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized A549 cells labeling THBD with (ABIN6242220 and ABIN6578794) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing membrane staining on A549 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (1186255) at 1/500 dilution (red). The nuclear counter stain



is DI (blue).

Western Blotting

Image 2. Anti-THBD Antibody (N-Term) at 1:2000 dilution + THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

Flow Cytometry

Image 3. Overlay histogram showing A549 cells stained with (ABIN6242220 and ABIN6578794)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242220 and ABIN6578794), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.