



# Rabbit Anti-Mouse THSD1 monoclonal antibody, clone S224 (CABT-ZB481)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Mouse THSD1
<b>Target</b>	THSD1
<b>Immunogen</b>	Recombinant Mouse THSD1 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	S224
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ELISA(cap) This antibody will detect THSD1 in antibody pair set. [ABPR-ZB056]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse THSD1.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL
<b>Buffer</b>	PBS

<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Thrombospondin type-1 domain-containing protein 1, also known as transmembrane molecule with thrombospondin module, THSD1 and TMTSP, is a single-pass type I membrane protein that contains one TSP type-1 domain. THSD1 is a multi-domain, multi-functional glycoprotein synthesized by many cells. Matricellular THSD1 modulates cell adhesion and proliferation. It is involved in angiogenesis, inflammation, wound healing and cancer. In vitro, nanomolar concentrations of Thrombospondin-1 are required to alter endothelial and vascular smooth muscle cell adhesion, proliferation, motility, and survival. As a major platelet protein, for a long time it was postulated to control hemostasis via platelet aggregate stabilization. THSD1 is a potent angiogenesis inhibitor, and down-regulation of THSD1 has been suggested to alter tumor growth by modulating angiogenesis in a variety of tumor types.
<b>Keywords</b>	THSD1; thrombospondin, type I, domain containing 1; thrombospondin, type I, domain 1; thrombospondin type-1 domain-containing protein 1

## GENE INFORMATION

<b>Synonyms</b>	THSD1; thrombospondin, type I, domain containing 1; thrombospondin, type I, domain 1; thrombospondin type-1 domain-containing protein 1; TMTSP; 4833423O18Rik; transmembrane molecule with thrombospondin module; UNQ3010; MGC74971
<b>Entrez Gene ID</b>	<a href="#">56229</a>
<b>UniProt ID</b>	<a href="#">Q9JM61</a>