Thrombospondin 1 Monoclonal Antibody (D4.6)

Product Details	
Size	500 µL
Species Reactivity	Bovine, Dog, Horse, Human, Mouse, Sheep, Pig, Rat
Published Species	Rat, Non-human primate, Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	D4.6
Conjugate	Unconjugated
Immunogen	Reduced and alkylated purified human TSP (fully denatured) from the supernatant of thrombin-activated platelets
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10977183

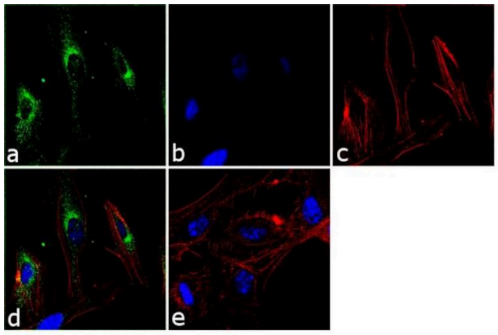
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	15 Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunocytochemistry (ICC/IF)	2 µg/mL	1 Publication
ELISA (ELISA)	-	1 Publication
Neutralization (Neu)	-	3 Publications
Immunomicroscopy (IM)	Assay-dependent	-

Product Specific Information

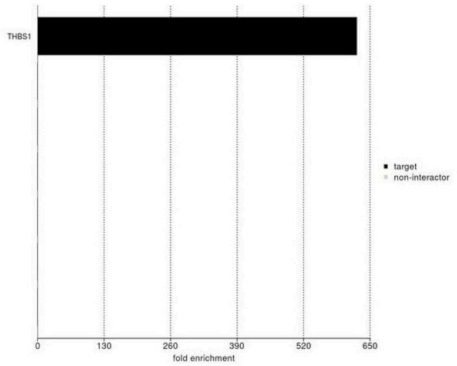
MA5-13385 targets Thrombospondin in IM and WB applications and shows reactivity with Bovine, Canine, Equine, Human, mouse, Ovine, Porcine, and Rat samples.

The MA5-13385 immunogen is reduced and alkylated purified human TSP (fully denatured) from the supernatant of thrombin-activated platelets.

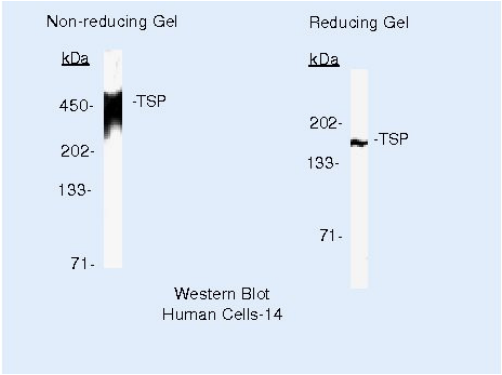
Product Images For Thrombospondin 1 Monoclonal Antibody (D4.6)



Thrombospondin 1 Antibody (MA5-13385) in ICC/IF
Immunofluorescence analysis of Thrombospondin 1 was performed using 70% confluent log phase HUVEC cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Thrombospondin 1 (D4.6) Mouse Monoclonal Antibody (Product # MA5-13385) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



Thrombospondin 1 Antibody (MA5-13385)
IP-MS enrichment of THBS1 (LFQ intensity): THBS1 was enriched 624-fold from A549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and THBS1 antibody (Product # MA5-13385). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}



Thrombospondin 1 Antibody (MA5-13385) in WB
Western blot of Thrombospondin using Thrombospondin Monoclonal Antibody (Product # MA5-13385) on HUVEC Cells.

View more figures on thermofisher.com

25 References

Western Blot (15)

The British journal of surgery

Effect of LSKL peptide on thrombospondin 1-mediated transforming growth factor signal activation and liver regeneration after hepatectomy in an experimental model.

"MA5-13385 was used in western blot to test if a leucine-serine-lysine-leucine peptide promotes liver regeneration."

Authors: Kuroki H,Hayashi H,Nakagawa S,Sakamoto K,Higashi T,Nitta H,Hashimoto D,Chikamoto A,Beppu T,Baba H

Year 2015

Species Mouse

Molecular and cellular biology

Cyp1b1 mediates periostin regulation of trabecular meshwork development by suppression of oxidative stress.

"MA5-13385 was used in western blot to study the role of oxidative stress in the mechanism by which Cyp1b1 mediates regulation of the trabecular meshwork by periostin"

Authors: Zhao Y,Wang S,Sorenson CM,Teixeira L,Dubielzig RR,Peters DM,Conway SJ,Jefcoate CR,Sheibani N

Year 2013

Species Mouse

Dilution 1:1000

View more WB references on thermofisher.com

Immunohistochemistry (5)

PloS one

Long-term gene therapy with thrombospondin 2 inhibits TGF- activation, inflammation and angiogenesis in chronic allograft nephropathy.

"MA5-13385 was used in immunohistochemistry to study TGF-beta activation, inflammation and angiogenesis following long-term thrombospondin-2 gene therapy in a model of chronic allograft nephropathy"

Authors: Daniel C,Vogelbacher R,Stief A,Grigo C,Hugo C

Year 2015

Species Rat

International journal of cancer

The aberrant methylation of TSP1 suppresses TGF-beta1 activation in colorectal cancer.

"MA5-13385 was used in immunohistochemistry and western blot to study the effect of aberrant methylation of thrombospondin-1 on TGF-beta1 activation in colorectal cancer"

Authors: Rojas A,Meherem S,Kim YH,Washington MK,Willis JE,Markowitz SD,Grady WM

Year 2008

Species Human

Dilution 1:2000

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

ICC/IF (1) **ELISA (1)** **Neu (3)**

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