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Product datasheet for CF503173

Tropomodulin 1 (TMOD1) Mouse Monoclonal Antibody [Clone ID: OTI7H3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7H3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TMOD1(NP_003266) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40.4 kDa
Gene Name:	tropomodulin 1
Database Link:	NP_003266 Entrez Gene 21916 MouseEntrez Gene 25566 RatEntrez Gene 7111 Human P28289

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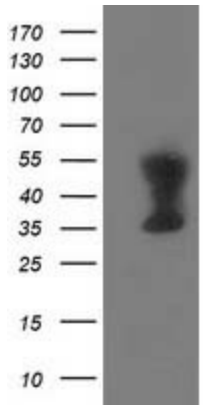
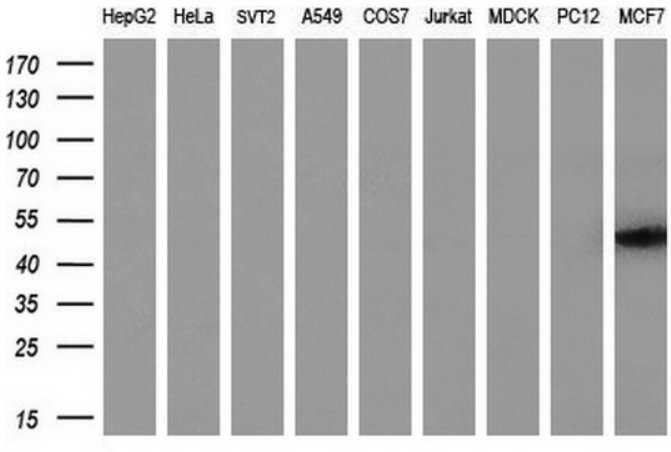
Background: This gene encodes a member of the tropomodulin family. The encoded protein is an actin-capping protein that regulates tropomyosin by binding to its N-terminus, inhibiting depolymerization and elongation of the pointed end of actin filaments and thereby influencing the structure of the erythrocyte membrane skeleton. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Synonyms: D9S57E; ETMOD; TMOD

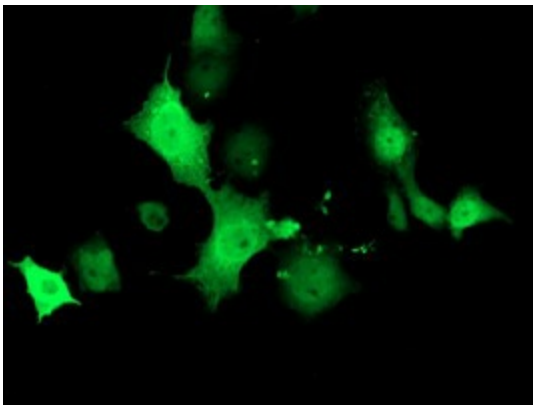
Product images:



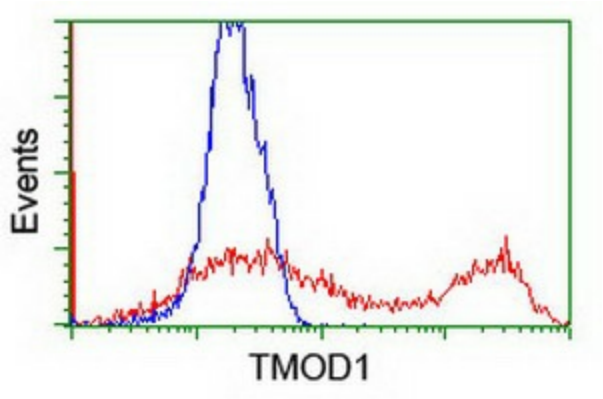
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TMOD1 ([RC201134], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TMOD1. Positive lysates [LY418797] (100ug) and [LC418797] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TMOD1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Anti-TMOD1 mouse monoclonal antibody ([TA503173]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TMOD1 ([RC201134]).



HEK293T cells transfected with either [RC201134] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-TMOD1 antibody ([TA503173]), and then analyzed by flow cytometry.