Human THSD1
Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 541213

Catalog Number: FAB5178N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TSHD1.
Source	Monoclonal Mouse IgG_1 Clone # 541213
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human THSD1 isoform 2 Glu25-Ile361 Accession # NP_954872
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HUVEC human umbilical vein endothelial cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

THSD1 (thrombospondin type 1 domain-containing protein 1; also TMTSP) is a 90-100 kDa type I transmembrane protein that is reminiscent of Unc5h proteins. It is expressed on embryonic endothelial and hematopoietic stem cells, and may be involved in cell-cell interactions. Mature human THSD1 contains a 388 aa extracellular domain (ECD) (aa 25-412) and a 418 aa cytoplasmic region (aa 434-851). The ECD possesses three Ig-like domains (aa 156-316) and one TSP type-1 domain (aa 340-393). There is one potential alternate start site at Met380, and two splice variants, one of which shows a deletion of aa 341-393, and a second that shows a 36 aa substitution for aa 394-851, generating a soluble form. Over aa 25-361, human THSD1 is 76% aa identical to mouse THSD1.

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