Human TM4SF4 PE-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 832441

Catalog Number: FAB7998P
100 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TM4SF4 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 832441
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TM4SF4 Accession # P48230
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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.

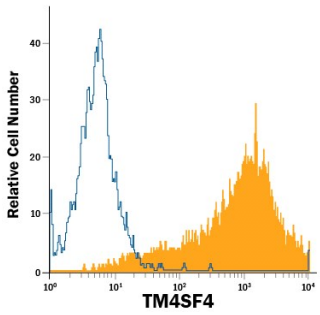
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of TM4SF4 in HT-29 Human Cell Line by Flow Cytometry. HT-29 human colon adenocarcinoma cell line was stained with Mouse Anti-Human TM4SF4 PE-conjugated Monoclonal Antibody (Catalog # FAB7998P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). View our protocol for Staining Membrane-associated Proteins.

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

TM4SF4 (Transmembrane 4 L6 Family Member 4), also known as IL-TMP (Intestine and Liver Tetraspanin Membrane Protein), is a distant member of the tetraspanin L6 domain family of molecules. It is expressed at highest levels on non-proliferating villus-associated intestinal epithelia of the jejunum, periportal hepatocytes, and follicle-associated epithelium of the ileum. It is thought to mediate proliferation and adhesion, and is now known to complex with THTR-2 (Thiamine Transporter-2) during the transport of thiamine into expressing cells. Its molecular size is reported at approximately 21 kDa for the unglycosylated form and varies from 25-30 kDa on proliferating cells, to 25-40 kDa on non-proliferating cells. The 202 amino acid (aa) human TM4SF4 contains four transmembrane domains and two potential N-glycosylation sites. The extracellular region of human TM4SF4 shares 72% aa sequence identity with mouse TM4SF4.

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