

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TM4SF4 in ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 832441
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human TM4SF4 Accession # P48230
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HT-29 human colon adenocarcinoma cell line

#### 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 member of the L6 tetraspanin family of molecules. It is expressed at highest levels on non-proliferating villus-associated intestinal epithelia and periportal hepatocytes, with increased expression in hepatocellular carcinomas. It is thought to mediate proliferation and adhesion. Its molecular size is reported at approximately 21 kDa for the unglycosylated form and 25-40 kDa for various glycosylated forms. The 202 amino acid (aa) human TM4SF4 contains four transmembrane domains and two potential N-glycosylation sites. It shares 88% aa sequence identity with mouse and rat TM4SF4.

#### PRODUCT SPECIFIC NOTICES

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