

DESCRIPTION

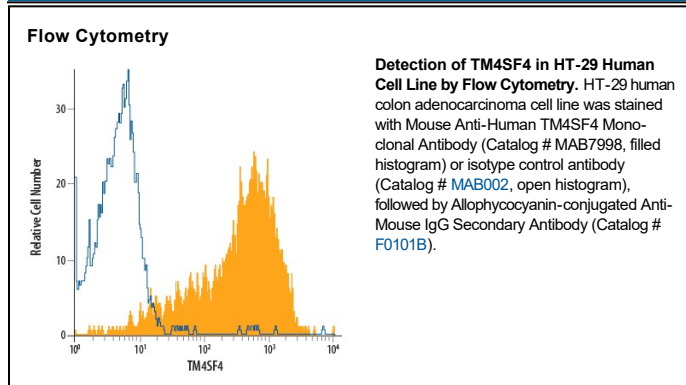
Species Reactivity	Human
Specificity	Detects human TM4SF4 in ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 832441
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TM4SF4 Accession # P48230
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.