# CMTM6 (Y-13): sc-99352



The Power to Question

#### **BACKGROUND**

CMTM6 (CKLF-like MARVEL transmembrane domain containing 6), also known as CKLFSF6 (chemokine-like factor superfamily member 6), is a 183 amino acid member of the chemokine-like factor family. Members of the chemokine-like factor family share similarity with the chemokine and the transmembrane 4 superfamilies. CMTM6 is a multi-pass membrane protein containing one MARVEL domain. MARVEL domain-containing proteins are usually associated with specialized membrane microdomains. Through these specialized membrane microdomains, MARVEL proteins can influence a variety of cellular processes (ie., vesicular transport carriers or tight junction regulation). CMTM6 is predominantly expressed in testis, placenta and leukocytes. Human CMTM6 shares 83% similarity with its mouse homolog.

## **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: CMTM6 (human) mapping to 3p22.3.

# **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

# **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

#### **SOURCE**

CMTM6 (Y-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of CMTM6 of human origin.

## **PRODUCT**

Each vial contains 100  $\mu g$  IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-99352 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

CMTM6 (Y-13) is recommended for detection of CMTM6 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other CMTM family members .

Suitable for use as control antibody for CMTM6 siRNA (h): sc-78185, CMTM6 shRNA Plasmid (h): sc-78185-SH and CMTM6 shRNA (h) Lentiviral Particles: sc-78185-V.

Molecular Weight of CMTM6: 21 kDa.

# **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluo-rescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

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