

Product Information

Recombinant Anti-Human tmprss4 Antibody Fab Fragment

Cat. No.: **MOM-18509-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human TMPRSS4, expressed in E. coli

Antigen Description

TMPRSS4 is a member of the peptidase S1 family and contains 1 LDL receptor class A domain, 1 peptidase S1 domain and 1 SRCR domain. It is a probable membrane protease capable of activating ENaC and may process sodium channels in endothelial cells. TMPRSS4 is overexpressed in thyroid neoplasms, and splice variants in TMPRSS4 are thought to be linked with different cancers. Three named isoforms are produced by alternative splicing.

Specific Activity

Tested positive against native antigen.

Target

TMPRSS4

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

ANTIGEN GENE INFORMATION

Gene Name

[TMPRSS4 transmembrane protease, serine 4 \[Homo sapiens \]](#)

Official Symbol

TMPRSS4

Synonyms

TMPRSS4; transmembrane protease, serine 4; transmembrane protease serine 4; membrane type serine protease 2; MT SP2; TMPRSS3; transmembrane serine protease 3; type II membrane serine protease; channel-activating protease 2; membrane-type serine protease 2; CAPH2; MT-SP2

Gene ID

[56649](#)

mRNA Refseq

[NM_001083947](#)

Protein Refseq

[NP_001077416](#)

MIM

[606565](#)

UniProt ID

Q9NRS4

Chromosome Location

11q23.3

Pathway

Influenza A, organism-specific biosystem; Influenza A, conserved biosystem;

Function

peptidase activity; scavenger receptor activity; serine-type endopeptidase activity;