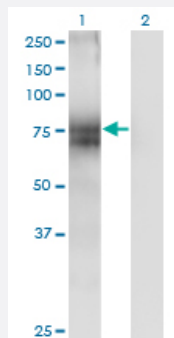


ITM1 monoclonal antibody (M02), clone 4D4

Catalog # H00003703-M02

Size 100 ug

Applications

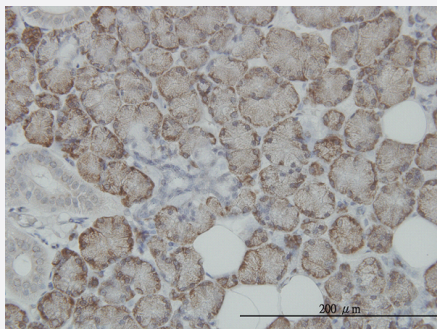


Western Blot (Transfected lysate)

Western Blot analysis of ITM1 expression in transfected 293T cell line by ITM1 monoclonal antibody (M02), clone 4D4.

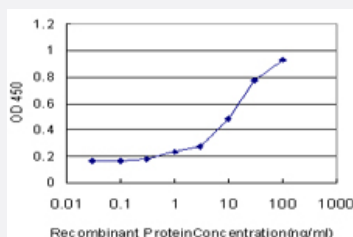
Lane 1: ITM1 transfected lysate (80.5 kDa).

Lane 2: Non-transfected lysate.



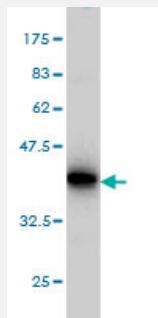
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ITM1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITM1 is approximately 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ITM1.
Immunogen	ITM1 (NP_689926, 603 a.a. ~ 701 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GGSTD TGKHIKENDYYTPTG EFRVDREGSPVLLNCLMYKMCYYRFGQVYTEAKRPPGFDRVRNA EIGNKDFELDVLEEAYTTEHWLVRIYKVKDLNDRG
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ITM1 expression in transfected 293T cell line by ITM1 monoclonal antibody (M02), clone 4D4.

Lane 1: ITM1 transfected lysate(80.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ITM1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITM1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — STT3A

Entrez GeneID [3703](#)

GeneBank Accession# [NM_152713](#)

Protein Accession# [NP_689926](#)

Gene Name STT3A

Gene Alias FLJ27038, ITM1, MGC9042, STT3-A, TMC

Gene Description STT3, subunit of the oligosaccharyltransferase complex, homolog A (S. cerevisiae)

Omim ID [601134](#)

Gene Ontology [Hyperlink](#)

Gene Summary subunit of the oligosaccharyltransferase complex

Other Designations integral membrane protein 1|integral transmembrane protein 1|transmembrane conserved

Publication Reference

- [Oxidoreductase activity is necessary for N-glycosylation of cysteine-proximal acceptor sites in glycoproteins.](#)

Cherepanova NA, Shrima S, Gilmore R.

The Journal of Cell Biology 2014 Aug; 206(4):525.

Application: IP, Human, HeLa cells

- [Keratinocyte-associated protein 2 is a bona fide subunit of the mammalian oligosaccharyltransferase.](#)

Roboti P, High S.

Journal of Cell Science 2012 Jan; 125(Pt1):220.

Application: WB-Ce, Human, HeLa

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)