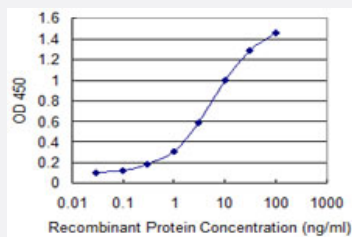


# MBTPS1 monoclonal antibody (M07), clone 2E6

Catalog # H00008720-M07

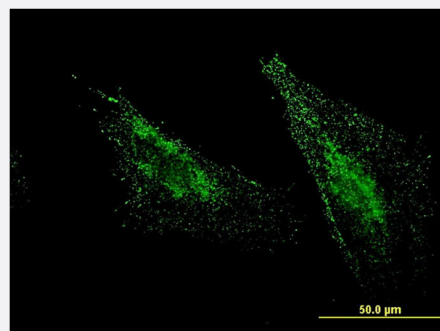
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MBTPS1 is 0.1 ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to MBTPS1 on HeLa cell .  
[antibody concentration 10 ug/ml]

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant MBTPS1.

### Immunogen

MBTPS1 (NP\_957720.1, 246 a.a. ~ 355 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

GLGHGTFVAGVIASMRQCQGFAPDAELHIFRVFTNNQVSYSWFLDAFNAYAILKKIDVLNLSIGGPD  
FMDHPFVDKVVWELTANNVIMVSAIGNDGPLYGTLNNPADQMDV

### Host

Mouse

### Reactivity

Human

Interspecies Antigen Sequence	Mouse (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MBTPS1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MBTPS1 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — MBTPS1

Entrez GeneID	<a href="#">8720</a>
GeneBank Accession#	<a href="#">NM_201268</a>
Protein Accession#	<a href="#">NP_957720.1</a>
Gene Name	MBTPS1
Gene Alias	KIAA0091, MGC138711, MGC138712, PCSK8, S1P, SKI-1
Gene Description	membrane-bound transcription factor peptidase, site 1
Omim ID	<a href="#">603355</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

The encoded protein has a central role in the regulation of lipid metabolism in cells. It is a sterol-regulated subtilisin-like serine protease that cleaves ER membrane-bound sterol regulatory element-binding proteins (SREBPs), a reaction that initiates the two-step proteolytic process by which transcriptionally active fragments of SREBPs are released from the membrane for translocation to the nucleus. The gene product is an integral membrane ER protein, with the bulk located in the ER lumen. It is synthesized as an inactive preproprotein that is self-activated by an intramolecular cleavage that generates the mature protein. [provided by RefSeq]

**Other Designations**

membrane-bound transcription factor protease, site 1|membrane-bound transcription factor site-1 protease|site-1 protease|subtilisin/kexin isozyme-1

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)