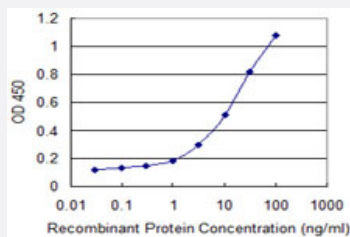


TSFM monoclonal antibody (M02), clone 1A2

Catalog # H00010102-M02

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TSFM is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TSFM.
Immunogen	TSFM (NP_005717.2, 161 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KVQWLTPVNLALWEAEAGGSLEGFLNSSELSGLPAGPDREGSLKDQLALAIGKLGENMILKRAA WVKVPSGFYVGSYVHGAMQSPSLHKLVLGKYGALVI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (80)
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 TSFM is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TSFM

Entrez GeneID	10102
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GeneBank Accession#	NM_005726
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Protein Accession#	NP_005717.2
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Gene Name	TSFM
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Gene Alias	COXPD3, EF-TS, EF-Tsmt
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Gene Description	Ts translation elongation factor, mitochondrial
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Omim ID	604723 610505
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Gene Ontology	Hyperlink
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Gene Summary	Synthesis of the 13 mitochondrial-encoded proteins occurs on a dedicated mitochondrial translation apparatus similar to that found in prokaryotes and requires, in addition to the tRNAs and rRNAs encoded in mtDNA, the concerted action of several translation factors and a large number of mitochondrial ribosomal proteins, all of which are encoded by nuclear genes. The TSFM gene encodes a mitochondrial translation elongation factor (Smeitink et al., 2006 [PubMed 17033963]).[supplied by OMIM]
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Other Designations	-
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