

MTL5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18102b**Specification****MTL5 Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [Q9Y4I5](#)**MTL5 Antibody (C-term) Blocking Peptide -
Additional Information****Gene ID** 9633**Other Names**Tesmin, Metallothionein-like 5,
testis-specific, Testis-specific
metallothionein-like protein, MTL5**Format**Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.**Precautions**This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.**MTL5 Antibody (C-term) Blocking Peptide -
Protein Information****Name** TESMIN ([HGNC:7446](#))**Synonyms** MTL5**Function**

May have a role in spermatogenesis.

Cellular Location

Cytoplasm

{ECO:0000250|UniProtKB:Q9WTJ6}.

Nucleus

{ECO:0000250|UniProtKB:Q9WTJ6}.

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Background**

Metallothionein proteins are highly conserved low-molecular-weight cysteine-rich proteins that are induced by and bind to heavy metal ions and have no enzymatic activity. They may play a central role in the regulation of cell growth and differentiation and are involved in spermatogenesis. This gene encodes a metallothionein-like protein which has been shown to be expressed differentially in mouse testis and ovary. Two transcript variants encoding different isoforms have been found for this gene.

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References**

Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
Olesen, C., et al. Mol. Reprod. Dev. 67(1):116-126(2004)
Sutou, S., et al. Biol. Reprod. 68(5):1861-1869(2003)
Matsuura, T., et al. J. Inorg. Biochem. 88(2):183-191(2002)
Sugihara, T., et al. Genomics 57(1):130-136(1999)

Note=Predominantly localized to the cytoplasm. Translocates from the cytoplasm to the nucleus in the G2/M transition upon treatment with cadmium, cobalt or zinc {ECO:0000250|UniProtKB:Q9WTJ6}

Tissue Location

Expressed specifically in testis.

MTL5 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)