

**MTL5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18102b****Specification**

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**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**

Essential for normal spermatogenesis and male fertility (By similarity). Required for the completion of meiosis in male germ cells (By similarity).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q9WTJ6}. Nucleus {ECO:0000250|UniProtKB:Q9WTJ6}.

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](#)

#### **MTL5 Antibody (C-term) Blocking Peptide - Images**

#### **MTL5 Antibody (C-term) Blocking Peptide - 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.

#### **MTL5 Antibody (C-term) Blocking Peptide - 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)