

## TIMP-3 Peptide

**Subcategory:** Synthetic Peptide, Blocking Peptide

**Cat. No.:** 350574

**Unit:** 0.1 mg

**Description:**

Tissue inhibitor of metalloproteinases 3 (TIMP-3) binds to metalloproteinases such as collagenases and irreversibly inactivates the proteases. TIMP-2 is involved in the extracellular matrix remodeling by binding to MMP-1, -2, -3, -7, -9, -13, -14 and -15. Defects in TIMP-3 are the cause of Sorsby fundus dystrophy (SFD), a macular disorder leading to vision loss.

**Format:** Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

**Alternate Names:** Metalloproteinase inhibitor 3; Tissue inhibitor of metalloproteinases 3; TIMP-3; Protein MIG-5; TIMP3

**Accession No.:** P35625

**MW:** 1373.5 g/mol

**Sequence:** The synthetic peptide used to raise the antibody Cat. No. 250885 is selected from a sequence within the C-term region of human TIMP-3. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

**Composition:** C62H84N16O18S1

**Purity:** Purity > 80% by HPLC

**Solubility:** Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

**Storage:** Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.