

**TIMP4 Antibody (Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP10148c

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**Specification**

**TIMP4 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O99727](#)  
Other Accession [NP\\_003247.1](#)

**TIMP4 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 7079

**Other Names**

Metalloproteinase inhibitor 4, Tissue inhibitor of metalloproteinases 4, TIMP-4, TIMP4

**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.

**TIMP4 Antibody (Center) Blocking peptide - Protein Information**

**Name** TIMP4

**Function**

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7 and MMP-9.

**Cellular Location**

Secreted.

**Tissue Location**

Abundant in heart and present at low levels in many other tissues

**TIMP4 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**TIMP4 Antibody (Center) Blocking peptide - Images**

### **TIMP4 Antibody (Center) Blocking peptide - Background**

This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play a role in hormonal regulation and endometrial tissue remodeling.

### **TIMP4 Antibody (Center) Blocking peptide - References**

Nalpas, B., et al. Gut 59(8):1120-1126(2010) Bailey, S.D., et al. Diabetes Care (2010) In press :Wojciechowski, R., et al. Invest. Ophthalmol. Vis. Sci. (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liss, M., et al. Am. J. Pathol. 175(3):940-946(2009)