

TIMP1 (AB1600) mouse mAb

V0148

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 23 kDa (calculated)
- 23 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1600

Immunogen A synthetic peptide corresponding to the amino acid region 50 - 150 of the human TIMP1 protein.

Specificity The antibody can specifically recognize human TIMP1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name TIMP1

Protein Name TIMP1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P01033	7076

Background TIMP-1 is a 28 kDa glycoprotein that functions as an inhibitor of matrix metalloproteinases (MMPs), which are key enzymes responsible for degrading major structural proteins of the extracellular matrix (ECM). Both MMPs and TIMPs play crucial roles in ECM degradation and are involved in tumor invasion and metastasis, serving as major regulatory proteins of malignant tumor progression. TIMP-1 is upregulated in various cancers, including liver cancer, breast cancer, and colorectal cancer, and can serve as a potential biomarker for tumor progression and prognosis.