

Datasheet for ABIN7275737

TIMP2 Protein (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TIMP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP2 protein is labelled with His tag.

Product Details

Sequence:	Cys27-Pro220
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Human TIMP-2, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-TIMP-2 Antibody, hFc Tag with the EC50 of 18.8ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TIMP2
Alternative Name:	TIMP-2 (TIMP2 Products)
Background:	CSC-21K, TIMP2, DDC8, TIMP-2, Tissue inhibitors of metalloproteinases or TIMPs are a family of proteins that regulate the activation and proteolytic activity of the zinc enzymes known as

Target Details

matrix metalloproteinases (MMPs). TIMP-2 is a non N-glycosylated protein with a molecular mass of 22 kDa produced by a wide range of cell types, which inhibits MMPs non-covalently by the formation of binary complexes. TIMP-2 also has erythroid-potentiating and cell growth promoting activities.

Molecular Weight:	22.9 kDa. Due to glycosylation, the protein migrates to 24-26 kDa based on Tris-Bis PAGE result.
UniProt:	P16035
Pathways:	cAMP Metabolic Process

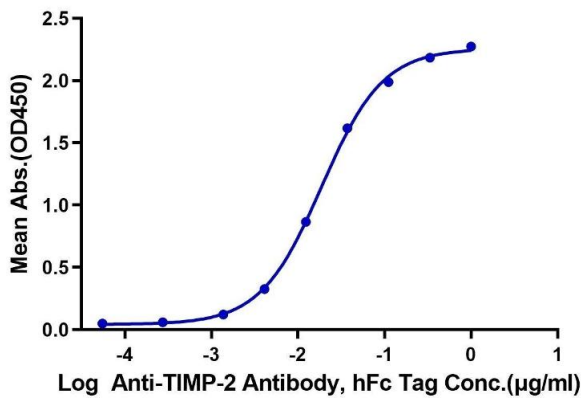
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Human TIMP-2, His Tag ELISA
0.02µg Human TIMP-2, His Tag Per Well

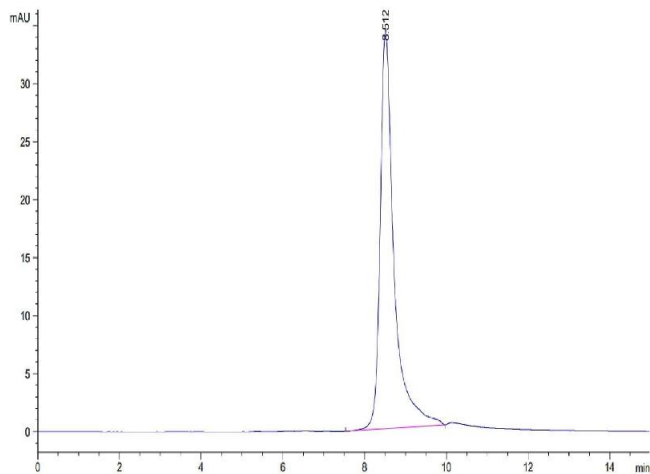


ELISA

Image 1. Immobilized Human Human TIMP-2, His Tag at 0.2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TIMP-2 Antibody, hFc Tag with the EC50 of 18.8 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TIMP-2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human TIMP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

