
Recombinant Mouse TIMP-1 Protein

Catalog Number: 230-01254

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/12/2024

Source

Species	Mouse
Accession Number	P12032
Gene Symbols	TIMP1
Synonyms	Erythroid-potentiating activity (EPA), Tissue inhibitor of metalloproteinases 1 (TIMP-1).
Expressed Region	Cys25-Ser205

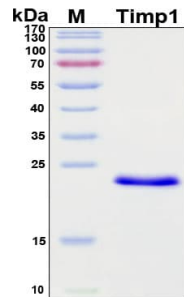
Preparation

Expression System	E. coli
Tag	N-terminal His-tag
Purity	>95%
Molecular Weight	22 kDa

Specifications

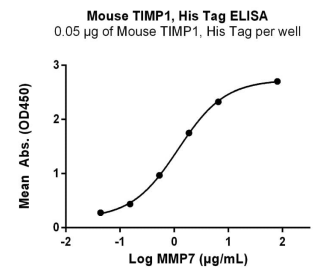
Format	Liquid
Formulation	Supplied as a 0.2 µm filtered solution in 50 mM Tris-HCl, 500 mM NaCl, 400 mM Arginine, 10% glycerol. (pH 8.0)
Concentration	Refer to the label on the vial for the specific concentration, determined by Bio-Rad Bradford protein dye reagent concentrate.

SDS-PAGE Image



Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse TIMP-1 at 0.5 µg/mL (100 µL/well) can bind Human MMP7 with EC50 at 1.1 µg/mL.



Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the liquid protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots.
- Generally, the shelf life is up to 6 months from the date of receipt at -20°C or -80°C under sterile conditions.