

Datasheet for ABIN6940732

anti-TIMP1 antibody (AA 72-82)**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TIMP1
Binding Specificity:	AA 72-82
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIMP1 antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	A synthetic peptide (aa 72-82) of human TIMP1 protein (FQALGDAADIR)
Clone:	2A5
Isotype:	IgG1 kappa

Target Details

Target:	TIMP1
Alternative Name:	TIMP1 (TIMP1 Products)
Background:	TIMP-1, TIMP-2, TIMP-3 and TIMP-4 (for tissue inhibitor of metalloproteinases -1, -2, -3 and -4) complex with metalloproteinases such as collagenases, gelatinases and stromelysins, resulting in irreversible inactivation of the metalloproteinase. TIMP-1 is identical to EPA (erythroid-potential activity). PTH has been shown to be a regulator of TIMP-2 in osteoblastic cells.

Target Details

TIMP-3 may be involved in regulating trophoblastic invasion of the uterus as well as in regulating remodeling of the extracellular matrix during the folding of epithelia, and in the formation, branching and expansion of epithelial tubes. TIMP-4 is most highly expressed in heart tissues. Studies have demonstrated that TIMP1 is useful as a biomarker for early detection of colorectal cancer, outperforming CEA. Additionally, TIMP1 studies have demonstrated its role in CRC tumorigenesis, as well as observing its overexpression in metastatic lymph nodes.

Molecular Weight: 23kDa

Gene ID: 7076

UniProt: [P01033](#)

Application Details

Application Notes: Positive Control: 293 cells. Colon Carcinoma.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

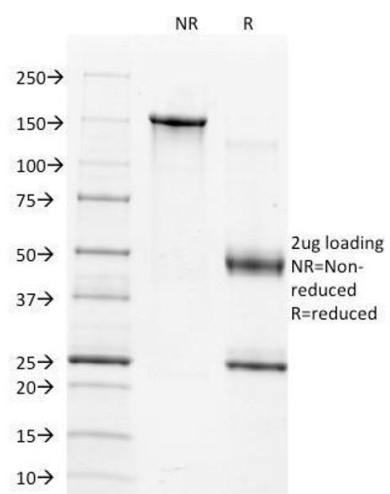
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified TIMP1 Mouse Monoclonal Antibody (2A5). Confirmation of Integrity and Purity of Antibody.