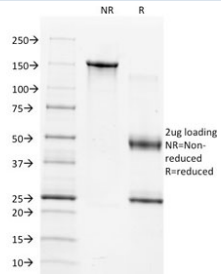
TIMP1 Antibody [clone 2A5] (V8117)

Catalog No.	Formulation	Size
V8117-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8117-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8117SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	2A5
Purity	Protein G affinity chromatography
UniProt	P01033
Applications	ELISA (order BSA-free Format For Coating) :
Limitations	This TIMP1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free TIMP1 antibody (clone 2A5) as confirmation of integrity and purity.

Description

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-potentiation activity). PTH has been shown to be a regulator of TIMP-2 in osteoblastic cells. 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.

Application Notes

Optimal dilution of the TIMP1 antibody should be determined by the researcher.

Immunogen

Amino acids 72-82 (FQALGDAADIR) were used as the immunogen for this TIMP1 antibody.

Storage

Store the TIMP1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).