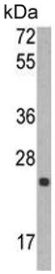
TIMP1 Antibody (F54876)

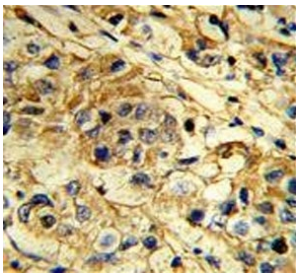
Catalog No.	Formulation	Size
F54876-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54876-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

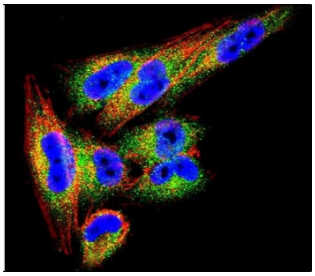
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P01033
Applications	Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This TIMP1 antibody is available for research use only.



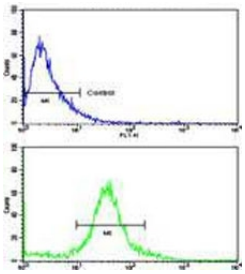
Western blot testing of human CCRF-CEM cell lysate with TIMP1 antibody. Predicted molecular weight ~23 kDa.



IHC testing of FFPE human breast carcinoma tissue with TIMP1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human A2058 cells with TIMP1 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Flow cytometry testing of fixed and permeabilized human MDA-MB-231 cells with TIMP1 antibody; Blue=isotype control, Green= TIMP1 antibody.

Description

TIMP1 belongs to the TIMP family. The proteins in this family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function.

Application Notes

The stated application concentrations are suggested starting points. Titration of the TIMP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 41-70 from the human protein was used as the immunogen for the TIMP1 antibody.

Storage

Aliquot the TIMP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.