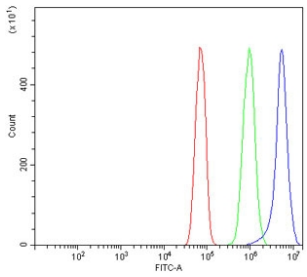
Timp1 Antibody (RQ6445)

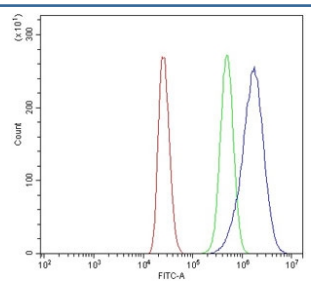
Catalog No.	Formulation	Size
RQ6445	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

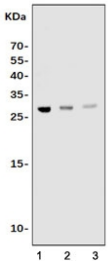
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P12032
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Timp1 antibody is available for research use only.



Flow cytometry testing of rat RH35 cells with Timp1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Timp1 antibody.



Flow cytometry testing of mouse RAW264.7 cells with Timp1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Timp1 antibody.



Western blot testing of mouse 1) lung, 2) liver and 3) kidney tissue lysate with Timp1 antibody. Expected molecular weight: 23-28 kDa depending on the level of glycosylation.

Description

TIMP metallopeptidase inhibitor 1, also known as TIMP1, a tissue inhibitor of metalloproteinases, is a glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. The glycoprotein is a natural inhibitor 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 encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. TIMP was found to be located about 22 cM proximal to OTC (300461).

Application Notes

Optimal dilution of the Timp1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids H31-N193) was used as the immunogen for the Timp1 antibody.

Storage

After reconstitution, the Timp1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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