

**DATASHEET**

**TIMP1 Rabbit Monoclonal Antibody (ARM650)**

CAT. NO. ARM6941

**KEY FEATURES**

Target	TIMP1	Clone ID	ARM650
Source / Host	Rabbit	Reactivity	Human
Applications	IHC	Dilution	1:50-1:200
Clonality	Monoclonal	Storage	-20°C

**BACKGROUND**

TIMP1 (metalloproteinase inhibitor 1) is a metalloproteinase inhibitor that functions by forms one-to-one complexes with target metalloproteinases, such as collagenases, and irreversible inactivates them by binding to their catalytic zinc cofactor. TIMP1 acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP14, and MMP16. It also functions as a growth factor that regulates cell differentiation, migration, and cell death. TIMP1 activates cellular signaling cascades via CD63 and ITGB1.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:50-1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Antibody Type	Primary antibodies
Isotype	
Positive Control	
Localization	
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	TIMP1
Entrez Gene ID	7076
Uniprot	P01033
Alternative Names	TIMP metalloproteinase inhibitor 1, EPA, Erythroid-potentiating activity, Collagenase inhibitor

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**DATA** IHC Data**RESEARCH USE ONLY**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com/timp1-mouse-monoclonal-antibody-arm650-arm6941](http://www.arexbio.com/timp1-mouse-monoclonal-antibody-arm650-arm6941)