



Rabbit Anti-Human TIMP4 monoclonal antibody, clone 24I5M24 (CABT-L1634)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with bat, bovine, canine, equine, non-human primate, mouse, rabbit and rat based on sequence homology.
Target	TIMP4
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	24I5M24
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ELISA, FC, ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction

Tissue inhibitor of metalloproteinase 4 (TIMP4) is encoded by the gene TIMP4 located on chromosome 3. It belongs to the family of TIMP genes and is known to inhibit the activity of matrix metalloproteinases. Matrix metalloproteinases (MMP) are a group of proteinases that degrade the components of extracellular matrix. TIMP4 irreversibly binds to MMPs and inactivates them with the help of zinc as a cofactor. The netrin domain of TIMP4 is involved in platelet recruitment and aggregation. Other biological functions include response to cytokine and peptide hormone stimuli and involvement with the ovulation cycle and CNS development.

Keywords

TIMP4;TIMP metalloproteinase inhibitor 4;metalloproteinase inhibitor 4;TIMP-4;tissue inhibitor of metalloproteinase 4;tissue inhibitor of metalloproteinases 4