Mouse Anti-Human TIMP2 Monoclonal Antibody [2C22]

CABT-ZC1306  Mouse(TIMP2)
Lot. No. (See product label)

PRODUCT INFORMATION

**Product Overview**
Mouse Monoclonal Antibody to Human TIMP2 molecule

**Antigen Description**
TIMP metallopeptidase inhibitor 2, a tissue inhibitor of metalloproteinases, also known as TIMP2, is a human gene, thought to be a metastasis suppressor. This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells.

**Target**
TIMP2

**Immunogen**
Full length human recombinant protein of human TIMP2 produced in HEK293T cell.

**Host**
Mouse

**Isotype**
IgG1

**Species**
Human

**Clone**
2C22

**Applications**
ELISA, LMNX

PACKAGING

**Concentration**
0.5~1.0 mg/ml (Lot Dependent)

**Buffer**
Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.

**Storage**
Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

ANTIGEN GENE INFORMATION

**Gene Name**
TIMP2 TIMP metallopeptidase inhibitor 2 [ Homo sapiens ]

**Official Symbol**
TIMP2

**Synonyms**
TIMP2; TIMP metallopeptidase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K

**GeneID**
7077

**mRNA Refseq**
NM_003255

**Protein Refseq**
NP_003246

**MIM**
188825

**UniProt ID**
P16035

**Chromosome Location**
17q25

**Pathway**
Activation of Matrix Metalloproteinases; Degradation of the extracellular matrix; Extracellular matrix organization; Matrix Metalloproteinases
Function

enzyme activator activity; enzyme inhibitor activity; integrin binding; metal ion binding; metalloendopeptidase inhibitor activity

REFERENCES