

Datasheet

TIMP2 monoclonal antibody (M01), clone 5D7

Catalog Number: H00007077-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant TIMP2.

Clone Name: 5D7

Immunogen: TIMP2 (AAH52605, 27 a.a. ~ 220 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYG
NPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLD
VGGKKEYLIAGKAEGDGKMHITLCDFIVPWTDLSTTQK
KSLNHRYPQMGCECKITRCPMIPCYISSPDECLWMDWV
TEKNINGHQAQFFACIKRSDGSCAWYRGAAPPKQEFL
DIEDP

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7077

Gene Symbol: TIMP2

Gene Alias: CSC-21K

Gene Summary: 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. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq]