anti-Human Tissue Inhibitor of Matrix Metalloproteinase 2 (TIMP-2) Antibody

Product Data Sheet

Clone 3A4 Monoclonal Antibody to Human TIMP-2

BACKGROUND
TIMP-1, TIMP-2, TIMP-3 and TIMP-4 (for tissue inhibitor of metalloproteinases-1, -2, -3 and -4) complex with metalloproteinases such as collagenases, gelatinases and stromelysins, resulting in irreversible inactivation of the metalloproteinase. TIMP-1 was found to be identical to EPA (erythroidpotentiation activity). Parathyroid hormone has been shown to be a regulator of TIMP-2 in osteoblastic cells. TIMP-3 may be involved in regulating trophoblastic invasion of the uterus as well as in regulating remodeling of the extracellular matrix during the folding of epithelia, and in the formation, branching and expansion of epithelial tubes. TIMP-4 is most highly expressed in heart and low levels of TIMP-4 are expressed in liver, brain, lung, thymus and spleen.

IMMUNOGEN
Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the human TIMP-2 protein and mouse myeloma Ag8563 cells. Sequence common in mouse, rabbit, chicken, zebrafish and pig.

SHIP CONDITIONS
Ship at ambient temperature, freeze upon arrival.

STORAGE
Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles.

STABILITY
Products are stable for one (1) year from purchase.

References:

For research use only