TIMP2 Conjugated Antibody

Catalog No: #C49494

Package Size: #C49494-AF350 100ul #C49494-AF405 100ul #C49494-AF488 100ul #C49494-AF555 100ul #C49494-AF594 100ul #C49494-AF647 100ul #C49494-AF680 100ul #C49494-AF750 100ul #C49494-Biotin 100ul

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Description

Product Name	TIMP2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CSC 21K antibody CSC-21K antibody CSC21K antibody Metalloproteinase inhibitor 2 antibody Metalloproteinase inhibitor 2 precursor antibody TIMP 2 antibody TIMP metallopeptidase inhibitor 2 antibody TIMP-2 antibody TIMP2 antibody TIMP2_HUMAN antibody Tissue Inhibitor of Metalloproteinase 2 antibody Tissue inhibitor of metalloproteinases 2 antibody
Accession No.	Swiss-Prot#:P16035
Uniprot	P16035
GeneID	7077;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	22 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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, gelatin-ases and stromelysins, resulting in irreversible inactivation of the metallopro-teinase. TIMP-1 has been found to be identical to EPA (erythroid-potentiation 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 and 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, with low levels expressed in liver, brain, lung, thymus and spleen.

Note: This product is for in vitro research use only