

Anti-TIMP1 Reference Antibody (Bayer patent anti-TIMP-1)

Catalog # APR11543

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P01033
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	23171

Additional Information

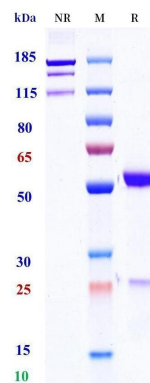
Target/Specificity	TIMP1
Expression system	CHO

Protein Information

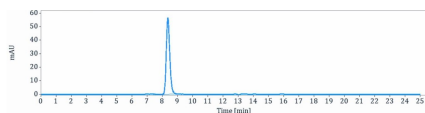
Name	TIMP1
Synonyms	CLGI, TIMP
Function	Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.
Cellular Location	Secreted
Tissue Location	Detected in rheumatoid synovial fluid (at protein level).

Images

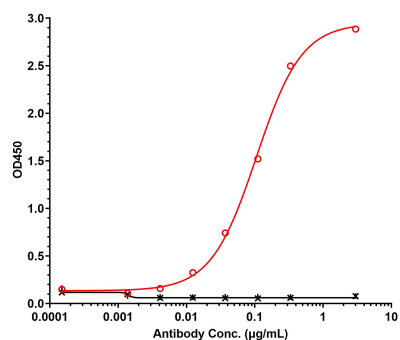
Anti-TIMP1 Reference Antibody (Bayer patent anti-TIMP-1) on SDS-PAGE under reducing (R) condition.



The purity of the protein is greater than 95%.



The purity of Anti-TIMP1 Reference Antibody (Bayer patent anti-TIMP-1) is 100%, determined by SEC-HPLC.



Immobilized hu-TIMP1(P01033)-his, It's target at 2 µg/mL can bind Bayer patent anti-TIMP-1, EC50= 0.1057 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.