

# Metalloproteinase inhibitor 1 Polyclonal Conjugated Antibody



Catalog No: #C42350

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Package Size: #C42350-AF350 100ul #C42350-AF405 100ul #C42350-AF488 100ul

#C42350-AF555 100ul #C42350-AF594 100ul #C42350-AF647 100ul

#C42350-AF680 100ul #C42350-AF750 100ul #C42350-Biotin 100ul

## Description

|                       |  |
|-----------------------|--|
| Product Name          | Metalloproteinase inhibitor 1 Polyclonal Conjugated Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Species Reactivity    | Hu   |
| Specificity           | The antibody detects endogenous level of total Metalloproteinase inhibitor 1 polyclonal antibody.  |
| Immunogen Description | Recombinant human Metalloproteinase inhibitor 1 protein  |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | Erythroid-potentiating activity Fibroblast collagenase inhibitor Tissue inhibitor of metalloproteinases 1 TIMP1<br>CLGI, TIMP  |
| Accession No.         | Swiss-Prot#:P01033   |
| Uniprot               | P01033   |
| GeneID                | 7076;  |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 23   |
| 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

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## Background

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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.

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Note: This product is for in vitro research use only