

## MMP9 Conjugated Antibody

Catalog No: #C29091



Package Size: #C29091-AF350 100ul #C29091-AF405 100ul #C29091-AF488 100ul

#C29091-AF555 100ul #C29091-AF594 100ul #C29091-AF647 100ul

#C29091-AF680 100ul #C29091-AF750 100ul #C29091-Biotin 100ul

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## Description

|                       |                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | MMP9 Conjugated Antibody                                                                                                                                                                                                                                              |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                            |
| Species Reactivity    | Hu                                                                                                                                                                                                                                                                    |
| Specificity           | MMP9 antibody detects endogenous levels of total MMP9                                                                                                                                                                                                                 |
| Immunogen Description | A synthesized peptide derived from human MMP9                                                                                                                                                                                                                         |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                                                                                                                                                                                                |
| Other Names           | 67 kDa matrix metalloproteinase-9; 82 kDa matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; CLG4B; Gelatinase B; GELB; macrophage gelatinase; MANDP2; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) |
| Accession No.         | Swiss-Prot#:P14780NCBI Gene ID:NCBI mRNA#:NCBI Protein#:                                                                                                                                                                                                              |
| Uniprot               | P14780                                                                                                                                                                                                                                                                |
| GeneID                | 4318;                                                                                                                                                                                                                                                                 |
| 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         | 78                                                                                                                                                                                                                                                                    |
| 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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MMP9 May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-|-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide. Belongs to the peptidase M10A family. Activated by 4-aminophenylmercuric acetate and phorbol ester. Exists as monomer or homodimer; disulfide-linked. Exists also as heterodimer with a 25 kDa protein. Macrophages and transformed cell lines produce only the monomeric form. Interacts with ECM1.

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Note: This product is for in vitro research use only