MMP9 Conjugated Antibody

Catalog No: #C49576

Package Size: #C49576-AF350 100ul #C49576-AF405 100ul #C49576-AF488 100ul #C49576-AF555 100ul #C49576-AF594 100ul #C49576-AF647 100ul #C49576-AF680 100ul #C49576-AF750 100ul #C49576-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MMP9 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	82 kDa matrix metalloproteinase-9 antibody 92 kDa gelatinase antibody 92 kDa type IV collagenase antibody CLG 4B antibody CLG4B antibody Collagenase Type 4 beta antibody Collagenase type IV 92 KD antibody EC 3.4.24.35 antibody Gelatinase 92 KD antibody Gelatinase B antibody Gelatinase beta antibody GelatinaseB antibody GELB antibody Macrophage gelatinase antibody MANDP2 antibody Matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) antibody Matrix Metalloproteinase 9 antibody MMP 9 antibody MMP-9 antibody MMP9 antibody MMP9_HUMAN antibody Type V collagenase antibody
Accession No.	Swiss-Prot#:P14780
Uniprot	P14780
GeneID	4318;
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	100 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

The matrix metalloproteinases (MMPs) are a family of peptidase pathway responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin MMP-9 (also designated 92 kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also specified interstitial collagenase, fibroblast collagenase or Collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption. MMP-1 is downregulated by p53, and abnormality of p53 expression can contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.

Note: This product is for in vitro research use only