

## MMP13 Conjugated Antibody

Catalog No: #C32335



Package Size: #C32335-AF350 100ul #C32335-AF405 100ul #C32335-AF488 100ul  
 #C32335-AF555 100ul #C32335-AF594 100ul #C32335-AF647 100ul  
 #C32335-AF680 100ul #C32335-AF750 100ul #C32335-Biotin 100ul

Orders: order@signalwayantibody.com  
 Support: tech@signalwayantibody.com

## Description

Product Name	MMP13 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MMP13 protein.
Immunogen Description	Recombinant protein of human MMP13.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Target Name	CLG3; MANDP1;
Accession No.	Swiss-Prot:P45452 NCBI Gene ID:4322
Uniprot	P45452
GeneID	4322;
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
SDS-PAGE MW	54KD
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

---

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis.

The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

---

Note: This product is for in vitro research use only