

# MMP2 Monoclonal Antibody (CA-4001 (CA719E3C)), Biotin

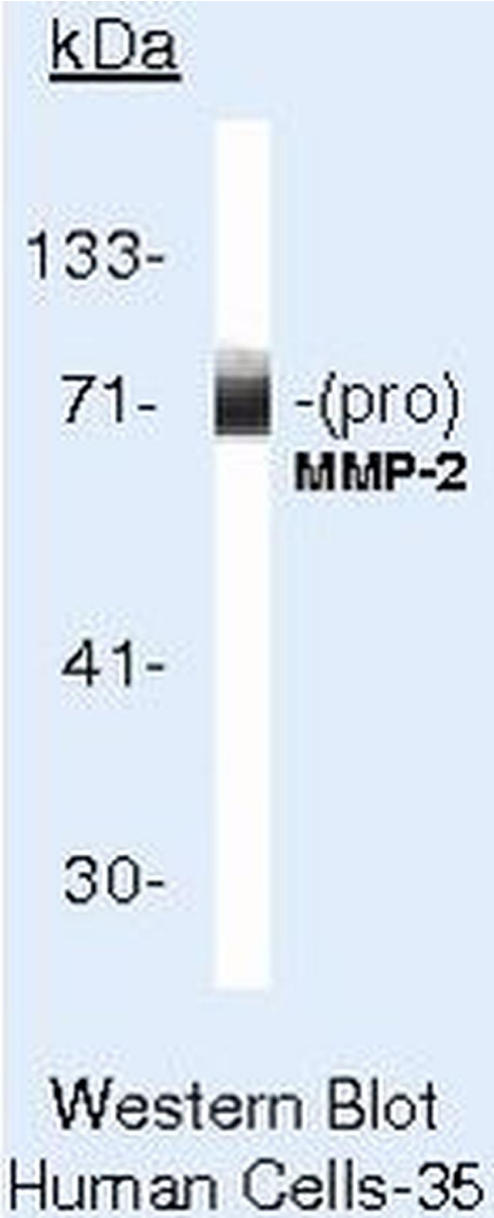
Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Dog, Rat, Mouse, Human, Chicken
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	CA-4001 (CA719E3C)
Conjugate	Biotin
Immunogen	N-terminal peptide APSPIIKFPGD-VAPKTDK of procollagenase IV
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10977368

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1.0 µg/mL	6 Publications
Immunohistochemistry (IHC)	-	12 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Neutralization (Neu)	-	2 Publications
Inhibition Assays (IA)	2-4 µg/mL	-

## Product Specific Information

MA5-13587 targets MMP-2 (72kDa Collagenase IV) in IA and WB applications and shows reactivity with Human, mouse, and Rat samples.

The MA5-13587 immunogen is n-terminal peptide APSPIIKFPGD-VAPKTDK of procollagenase IV.



**MMP2 Antibody (MA5-13587) in WB**  
Western blot of MMP-2 (72kDa Collagenase IV) using MMP-2 (72kDa Collagenase IV) Monoclonal Antibody (Product # MA5-13587) on HFL-1+TPA med Cells.

## Western Blot (6)

Journal of cellular physiology

### 111 integrin-mediated MMP-13-dependent collagen lattice contraction by fibroblasts: evidence for integrin-coordinated collagen proteolysis.

"MA5-13587 was used in western blot to study the role of mechanical strain generated by alpha11beta1 integrin in MMP-13-mediated fibroblast collagen lattice remodelling"

Authors: Barczyk MM,Lu N,Popova SN,Bolstad AI,Gullberg D

Year  
2013

Species  
Mouse

Dilution  
5 µg/mL

Current eye research

### Down-regulation of matrix metalloproteinase-9 by pyrrolidine dithiocarbamate prevented retinal ganglion cell death after transection of optic nerve in rats.

"MA5-13587 was used in western blot to study the effects of pyrrolidine dithiocarbamate on MMP2 and MMP9 expression and MMP-mediated apoptosis in retinal ganglion cells following transection of the optic nerve"

Authors: Sun MH,Chen KJ,Tsao YP,Kao LY,Han WH,Lin KK,Pang JH

Year  
2011

Species  
Rat

[View more WB references on thermofisher.com](#)

## Immunohistochemistry (12)

Biotechnic & histochemistry : official publication of the Biological Stain Commission

### Matrix metalloproteinase, vitamin A and methylprednisolone effects on experimentally induced amyloid arthropathy.

"MA5-13587 was used in immunohistochemistry to study the effects of vitamin A and methylprednisolone on the expression of MMP-1, -2 and -9 in a chick model of amyloid arthropathy"

Authors: Sevimli A,Yac A,Bülbül A

Year  
2013

Species  
Chicken

European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery

### Expression of matrix metalloproteinase-12 is correlated with extracapsular spread of tumor from nodes with metastasis in head and neck squamous cell carcinoma.

"MA5-13587 was used in immunohistochemistry to study the relationship between expression of MMP-12 in head and neck squamous cell carcinoma primary tumors and extracapsular spread of lymph node metastases"

Authors: Kim JM,Kim HJ,Koo BS,Rha KS,Yoon YH

Year  
2013

Species  
Human

[View more IHC references on thermofisher.com](#)

## More applications with references on thermofisher.com

ICC/IF (1)

Neu (2)

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