

# MMP13 Monoclonal Antibody (LIPCO IID1)

Product Details	
Size	500 µL
Species Reactivity	Mouse, Rat
Published Species	Avian, Rat, Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	LIPCO IID1
Conjugate	Unconjugated
Immunogen	Rat MMP-13 from BC-1 cells
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_10985956

Applications	Tested	Dilution	Published
Immunofluorescence (IF)	✓	2 µg/mL	1 Publication
Western Blot (WB)	✓	2 µg/mL	17 Publications
Immunocytochemistry (ICC)	✓	2 µg/mL	1 Publication
Immunoprecipitation (IP)	✓	2 µg/mL	

## Product Specific Information

MA5-14247 targets MMP-13 (Collagenase-3) (Rat) in IF, IP, and WB applications and shows reactivity with mouse and Rat samples.

The MA5-14247 immunogen is rat MMP-13 from BC-1 cells.

## Product Images For MMP13 Monoclonal Antibody (LIPCO IID1)

### MMP13 Antibody (MA5-14247) in IP

Immunoprecipitation of MMP-13 (Collagenase-3) (Rat) using MMP-13 (Collagenase-3) (Rat) Monoclonal Antibody (Product # MA5-14247) on Native Rat CCL-4 med Cells.

## Native IP

kDa

133-

71-

41-

30-

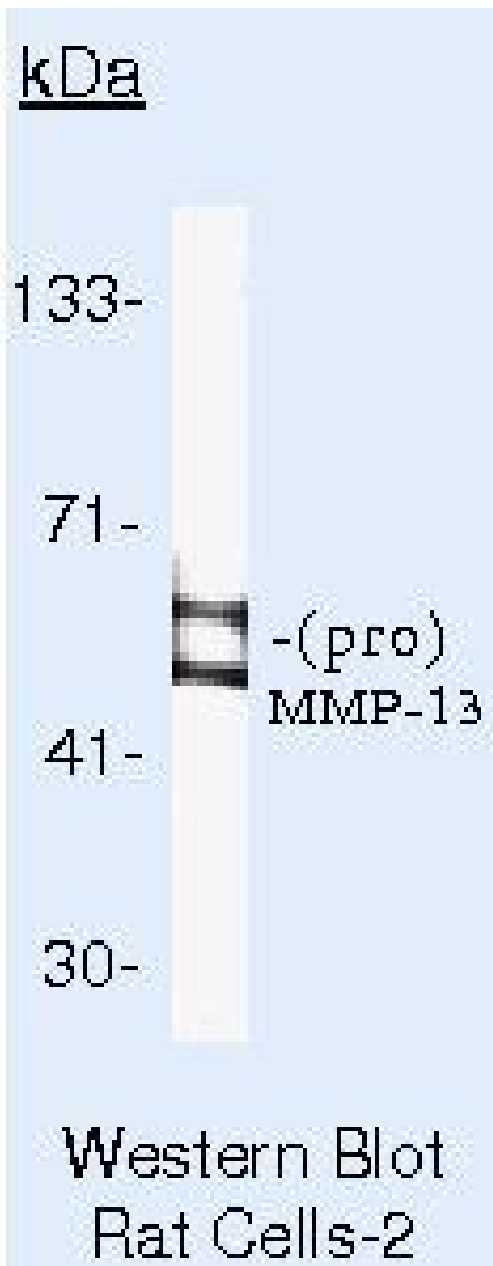


(pro)  
MMP-13

IP/Western Blot  
Rat Cells-2

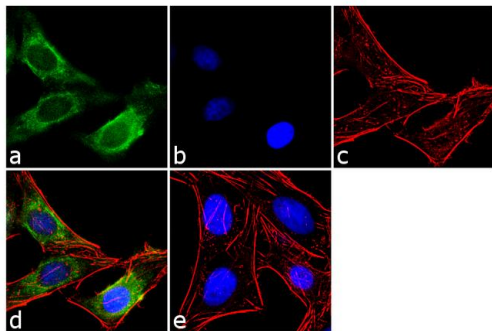
### MMP13 Antibody (MA5-14247) in WB

Western blot of MMP-13 (Collagenase-3) (Rat) using MMP-13 (Collagenase-3) (Rat) Monoclonal Antibody (Product # MA5-14247) on CCL-4 med Cells.



### MMP13 Antibody (MA5-14247) in IF

Immunofluorescence analysis of MMP-13 (Collagenase-3) was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with MMP-13 (Collagenase-3) (LIPCO IID1) Mouse Monoclonal Antibody (Product # MA5-14247) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



## 19 References

### Immunofluorescence (1)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

#### The glucocorticoid receptor in monocyte-derived macrophages is critical for cardiac infarct repair and remodeling.

"Published figure using MMP13 monoclonal antibody (Product # MA5-14247) in Immunofluorescence"

Authors: Galuppo P,Vettorazzi S,Hövelmann J,Scholz CJ,Tuckermann JP,Bauersachs J,Fraccarollo D

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

### Western Blot (17)

Molecules and cells

#### MicroRNA-27a Inhibits Cell Migration and Invasion of Fibroblast-Like Synoviocytes by Targeting Follistatin-Like Protein 1 in Rheumatoid Arthritis.

"MA5-14247 was used in western blot to investigate the effects of miR-27a on cell migration and invasion in fibroblast-like synoviocytes from rheumatoid arthritis patients"

Authors: Shi DL,Shi GR,Xie J,Du XZ,Yang H

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2016

Inflammation research : official journal of the European Histamine Research Society ... [et al.]

#### The involvement of oxidants and NF-B in cytokine-induced MMP-9 synthesis by bone marrow-derived osteoprogenitor cells.

"MA5-14247 was used in western blot to study the role of inflammatory conditions in the induction of MMP-9 production by bone marrow-derived osteoprogenitor cells"

Authors: Ben-David D,Livne E,Reznick AZ

**Species**  
Rat

**Dilution**  
Not Cited

**Year**  
2012

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

### Immunocytochemistry (1)

Hepatology (Baltimore, Md.)

#### Bone marrow-derived cells express matrix metalloproteinases and contribute to regression of liver fibrosis in mice.

"MA5-14247 was used in immunocytochemistry to study the role of bone marrow-derived cells in the spontaneous regression of liver fibrosis"

Authors: Higashiyama R,Inagaki Y,Hong YY,Kushida M,Nakao S,Nioka M,Watanabe T,Okano H,Matsuzaki Y,Shiota G, Okazaki I

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2007

### More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.