

Collagen II Monoclonal Antibody (2B1.5), Biotin

Product Details	
Size	500 µL
Species Reactivity	Bovine, Chicken, Human, Mouse, Rat
Published Species	Rabbit, Rat, Pig, Bovine, Sheep, Human, Mouse, Goat, Guinea pig
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	2B1.5
Conjugate	Biotin
Immunogen	A purified preparation of lathyritic type II collagen from embryonic chicken sternum
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10979946

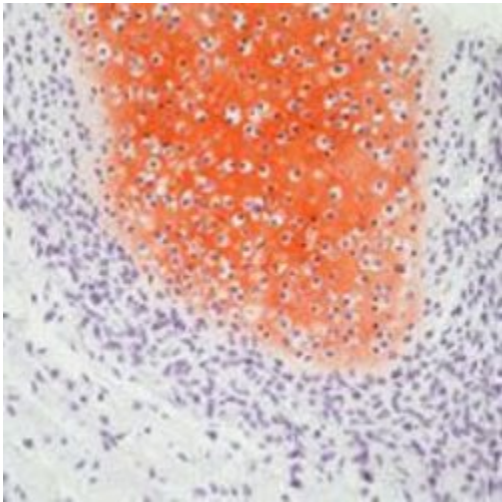
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	5 Publications
Immunohistochemistry (IHC)	-	37 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	-	8 Publications
Flow Cytometry (Flow)	Assay-dependent	-

Product Specific Information

MA5-12786 targets Collagen II in FACS, IF, IHC (P), and WB applications and shows reactivity with Bovine, Chicken, Human, mouse, and Rat samples.

The MA5-12786 immunogen is a purified preparation of lathyritic type II collagen from embryonic chicken sternum.

Product Images For Collagen II Monoclonal Antibody (2B1.5), Biotin



Collagen II Antibody (MA5-12786) in IHC

Immunohistochemical analysis of Collagen II using a monoclonal antibody (Product # MA5-12786).

Western Blot (5)

Cancer medicine

PLK2 modulation of enriched TAp73 affects osteogenic differentiation and prognosis in human osteosarcoma.

"MA5-12786 was used in Western Blotting to indicate that PLK2 is a potential target for differentiation therapy of osteosarcoma with enriched TAp73."

Authors: Li W,Zhang X,Xi X,Li Y,Quan H,Liu S,Wu L,Wu P,Lan W,Shao Y,Li H,Chen K,Hu Z

Species
Human

Dilution
Not Cited

Year
2020

Journal of cellular biochemistry

A proteomic analysis of adult rat bone reveals the presence of cartilage /chondrocyte markers.

"MA5-12786 was used in western blot to investigate the protein profiles in adult rat bone"

Authors: Schreiweis MA,Butler JP,Kulkarni NH,Knierman MD,Higgs RE,Halladay DL,Onyia JE,Hale JE

Species
Rat

Dilution
2 µg/mL

Year
2007

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

Immunohistochemistry (37)

PloS one

Maintaining mRNA integrity during decalcification of mineralized tissues.

"MA5-12786 was used in immunohistochemistry to develop a novel decalcification method that maintains mRNA integrity and aids gene expression analysis of mineralized tissues"

Authors: Belluoccio D,Rowley L,Little CB,Bateman JF

Species
Mouse

Dilution
1:1000

Year
2013

Stem cells and development

Altered fate of tendon-derived stem cells isolated from a failed tendon-healing animal model of tendinopathy.

"MA5-12786 was used in immunohistochemistry to study the differences in tendon-derived stem cells obtained from healthy tendons and those obtained from a rat model of tendinopathy"

Authors: Rui YF,Lui PP,Wong YM,Tan Q,Chan KM

Species
Rat

Dilution
1:50

Year
2013

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

More applications with references on thermofisher.com

ICC/IF (8)

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.