

# Collagen II Monoclonal Antibody (2B1.5)

## Product Details

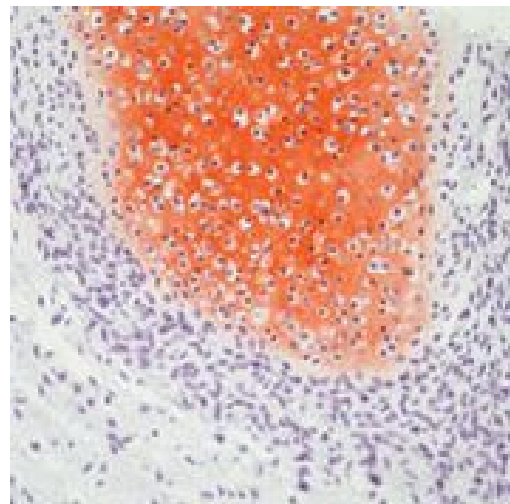
Size	200 µg
Species Reactivity	Bovine, Chicken, Human, Mouse, Rat
Published Species	Rabbit, Rat, Pig, Bovine, Sheep, Human, Mouse, Goat, Guinea pig
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	2B1.5
Conjugate	Unconjugated
Immunogen	A purified preparation of lathyrin type II 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_2082337

Applications	Tested Dilution	Publications
Western Blot (WB)	1:50	7 Publications
Immunohistochemistry (IHC)	-	52 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	13 Publications
Flow Cytometry (Flow)	Assay-dependent	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

Staining of formalin/paraffin tissues requires digestion of tissue sections with pepsin at 1 mg/mL Tris-HCl, pH 2.0 for 15 min at RT or 10 min at 37C.

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



**Collagen II Antibody (MA1-37493) in IHC (P)**  
Formalin-fixed, paraffin-embedded human lung stained with Collagen II antibody using peroxidase-conjugate and AEC chromogen. Note staining of matrix in the bronchial cartilaginous plates.

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Western Blot (7)

<div>Molecular medicine reports</div> <div>Silencing of longchain noncoding RNA GAS5 in osteoarthritic chondrocytes is mediated by targeting the miR34a/Bcl2 axis.</div> <div>"MA5-12789 was used in Western Blot to indicate that GAS5 participated in the development of OA by regulating the biological behavior of chondrocytes via the miR,34a/Bcl,2 axis."</div> <div>Authors: Ji Q,Qiao X,Liu Y,Wang D,Yan J</div>	<div>Year</div> <div>2020</div> <div>Species</div> <div>Human</div> <div>Dilution</div> <div>1:5000</div>
<div>Molecular medicine reports</div> <div>Andrographolide mitigates IL1induced human nucleus pulposus cells degeneration through the TLR4/MyD88/NFB signaling pathway.</div> <div>"Published figure using Collagen II monoclonal antibody (Product # MA5-12789) in Immunofluorescence"</div> <div>Authors: Zhang L,Chen Q,Wang H,Yang J,Sheng S</div>	<div>Year</div> <div>2018</div>

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Immunohistochemistry (52)

<div>Stem cell research &amp; therapy</div> <div>Modeling early changes associated with cartilage trauma using human-cell-laden hydrogel cartilage models.</div> <div>"MA5-12789 was used in Immunohistochemistry to show that traumatic impacts delivered to engineered cartilage constructs induced PTOA-like changes in the encapsulated cells."</div> <div>Authors: He C,Clark KL,Tan J,Zhou H,Tuan RS,Lin H,Wu S,Alexander PG</div>	<div>Year</div> <div>2022</div> <div>Species</div> <div>Human</div> <div>Dilution</div> <div>1:100</div>
<div>Frontiers in pharmacology</div> <div>Platelet-Derived Growth Factor-BB Inhibits Intervertebral Disc Degeneration via Suppressing Pyroptosis and Activating the MAPK Signaling Pathway.</div> <div>"MA5-12789 was used in Immunohistochemistry to indicate that PDGF-BB participates in inhibiting the occurrence and development of IDD by inhibiting pyroptosis and regulating the MAPK signaling pathway."</div> <div>Authors: Zhang W,Gong Y,Zheng X,Qiu J,Jiang T,Chen L,Lu F,Wu X,Cheng F,Hong Z</div>	<div>Year</div> <div>2022</div> <div>Species</div> <div>Mouse</div>

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More applications with references on thermofisher.com

- IHC (P) (1)
- IHC (F) (1)
- ICC/IF (13)
- Flow (2)
- Misc (1)

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