

CD44 Monoclonal Antibody (156-3C11)

Product Details	
Size	500 µL
Species Reactivity	Baboon, Human, Non-human primate
Published Species	Rabbit, Human, Rhesus monkey
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	156-3C11
Conjugate	Unconjugated
Immunogen	Stimulated human leukocytes
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.4, with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	4°C
RRID	AB_10986810

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	7 Publications
Immunohistochemistry (IHC)	-	48 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	8 Publications
Immunocytochemistry (ICC/IF)	1:200	6 Publications
Flow Cytometry (Flow)	2 µg/test	7 Publications
Immunoprecipitation (IP)	2 µg/mL	-
in situ PLA (PLA)	-	1 Publication
Inhibition Assays (IA)	-	1 Publication
Blocking Assay (BLOCK)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

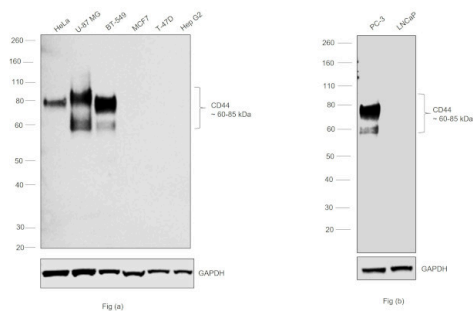
Product Specific Information

MA5-13890 targets CD44 in FACS, IHC (P), ICC/IF, IP and WB applications and shows reactivity with Human, Baboon and Non-human primate samples.

The MA5-13890 immunogen is stimulated human leukocytes.

MA5-13890 was used in the immunofluorescence analysis to successfully detect CD44 in human mesenchymal stem cells derived from iPSCs.

Product Images For CD44 Monoclonal Antibody (156-3C11)

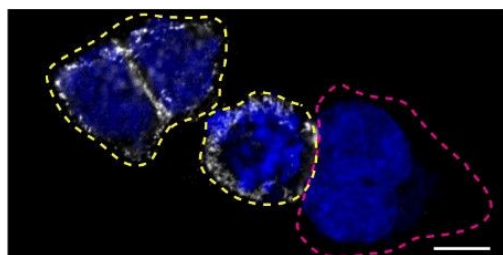
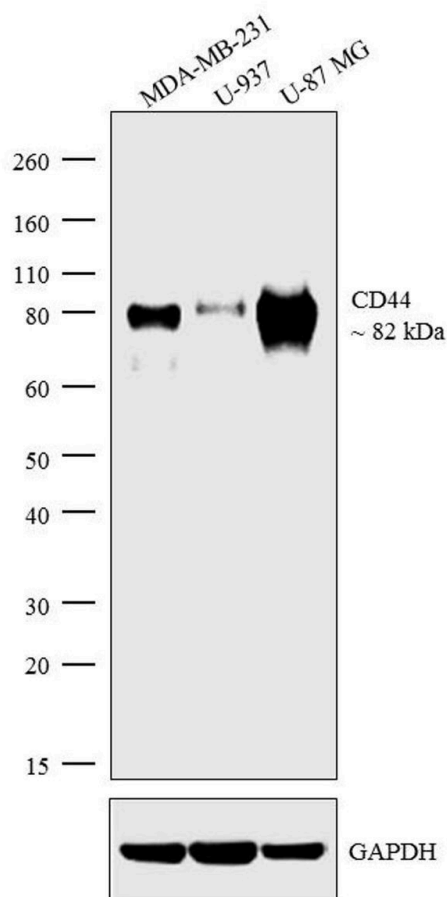


CD44 Antibody (MA5-13890)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across cell lines tested, owing to their inherent genetic constitution. Relative expression of CD44 was observed in HeLa, U-87 MG, BT-549, and PC-3 which are reported to be positive and not in MCF7, T-47D, Hep G2, and LNCaP using Anti-CD44 Monoclonal Antibody (156-3C11) (Product # MA5-13890) in western blot. {RE}

CD44 Antibody (MA5-13890)

The specificity of anti-CD44 monoclonal antibody (Product # MA5-13890) was demonstrated by the western blot detection of varying levels of endogenous CD44 MDA-MB-231 (Lane 1), U-937 (Lane 2), and U-87 MG (Lane 3). {RE}



CD44 Antibody (MA5-13890)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal in immunofluorescence was observed for target protein in CD44 knockout (KO) cell line using Anti-CD44 monoclonal antibody (Product # MA5-13890). Parental cells were transfected with GFP and CD44 KO with mCherry. Data courtesy of YCharOS Inc., an open science company with the mission of characterizing commercially available antibodies using knockout validation. {KO}

View more figures on thermofisher.cn

Western Blot (7)

Frontiers in immunology

Complement protein C1q stimulates hyaluronic acid degradation via gC1qR/HABP1/p32 in malignant pleural mesothelioma.

"MA5-13890 was used in Western Blotting and Flow Cytometry to support the notion of an overall tumor-promoting property of C1q."

Authors: Balduit A, Vidergar R, Zacchi P, Mangogna A, Agostinis C, Grandolfo M, Bottin C, Salton F, Confalonieri P, Rocca A, Zanonati F, Confalonieri M, Kishore U, Ghebrehiwet B, Bulla R

Year
2023

Species
Human

eLife

Machine learning-assisted elucidation of CD81-CD44 interactions in promoting cancer stemness and extracellular vesicle integrity.

"Published figure using CD44 monoclonal antibody (Product # MA5-13890) in Western Blot"

Authors: Ramos EK, Tsai CF, Jia Y, Cao Y, Manu M, Taftaf R, Hoffmann AD, El-Shennawy L, Gritsenko MA, Adorno-Cruz V, Schuster EJ, Scholten D, Patel D, Liu X, Patel P, Wray B, Zhang Y, Zhang S, Moore RJ, Mathews JV, Schipma MJ, Liu T, Tokars VL, Cristofanilli M, Shi T, Shen Y, Dashzeveg NK, Liu H

Year
2022

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

Immunohistochemistry (48)

Cureus

Effect of ALDH1A1 and CD44 on Survival and Disease Recurrence in Patients With Osteosarcoma.

"Published figure using CD44 monoclonal antibody (Product # MA5-13890) in Immunohistochemistry"

Authors: Haffner MR, Saiz AM, Darrow MA, Judge SJ, Laun T, Arora A, Taylor SL, Randall RL, Alvarez EM, Thorpe SW

Year
2024

Nature communications

An instantly fixable and self-adaptive scaffold for skull regeneration by autologous stem cell recruitment and angiogenesis.

"MA5-13890 was used in Immunohistochemistry to design an instantly fixable and self-adaptive scaffold by dopamine-modified hyaluronic acid chelating Ca²⁺ of the microhydroxyapatite surface and bonding type I collagen to highly simulate the natural bony matrix."

Authors: Lu G, Xu Y, Liu Q, Chen M, Sun H, Wang P, Li X, Wang Y, Li X, Hui X, Luo E, Liu J, Jiang Q, Liang J, Fan Y, Sun Y, Zhang X

Year
2022

Species
Rabbit

Dilution
1:100

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

More applications with references on thermofisher.cn

IHC (P) (8)

ICC/IF (6)

Flow (7)

PLA (1)

IA (1)

BLOCK (1)

Misc (3)

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.