

CD44 Monoclonal Antibody (5F12)

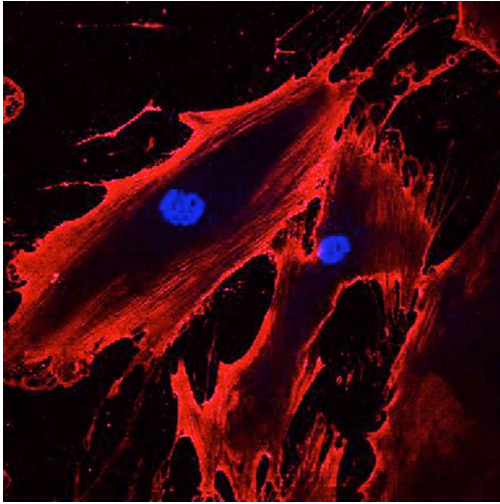
Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	5F12
Conjugate	Unconjugated
Immunogen	EBV transformed normal human B-lymphocytes
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10984604

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	Assay Dependent	7 Publications
Western Blot (WB)	-		2 Publications
Blocking Assay (BLOCK)	-		1 Publication
Neutralization (Neu)	-		6 Publications
Immunocytochemistry (ICC)	✓	10 µg/mL	
Immunofluorescence (IF)	✓	10 µg/mL	

Product Specific Information

MA5-12394 has been successfully used in immunofluorescence analysis of CD44 in human bone marrow derived mesenchymal stem cells.

Product Images For CD44 Monoclonal Antibody (5F12)



CD44 Antibody (MA5-12394) in IF

Immunofluorescent analysis of CD44 (red) in human bone marrow derived mesenchymal stem cells. The cells were fixed with 2% paraformaldehyde, and blocked with 2% normal donkey serum diluted in PBS for 30 minutes at room temperature. Cells were stained with a CD44 monoclonal antibody (Product # MA5-12394) at a dilution of 10 µg/mL in blocking buffer for 1 hour at room temperature, and then incubated with a Goat anti-mouse IgG (H+L) Secondary Antibody, Alexa Fluor® 555 conjugate (Product # A-21422) at a dilution of 1:800 for 1 hour at room temperature (red). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Note: Data courtesy of Innovators Program.

16 References

Flow Cytometry (7)

Oncogene

Serglycin in tumor microenvironment promotes non-small cell lung cancer aggressiveness in a CD44-dependent manner.

"Published figure using CD44 monoclonal antibody (Product # MA5-12394) in Flow Cytometry"

Authors: Guo JY,Hsu HS,Tyan SW,Li FY,Shew JY,Lee WH,Chen JY

Species
Human

Dilution
Not Cited

Year
2017

The American journal of the medical sciences

Differentiation of human mesenchymal stem cells: the potential mechanism for estrogen-induced preferential osteoblast versus adipocyte differentiation.

"MA5-12394 was used in flow cytometry to investigate the regulatory role of estrogen signaling pathways in the differentiation of mesenchymal stem cells in vitro"

Authors: Zhao JW,Gao ZL,Mei H,Li YL,Wang Y

Species
Human

Dilution
1:50

Year
2011

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

Western Blot (2)

Oncogene

Serglycin in tumor microenvironment promotes non-small cell lung cancer aggressiveness in a CD44-dependent manner.

"Published figure using CD44 monoclonal antibody (Product # MA5-12394) in Flow Cytometry"

Authors: Guo JY,Hsu HS,Tyan SW,Li FY,Shew JY,Lee WH,Chen JY

Species
Human

Dilution
Not Cited

Year
2017

Journal of immunology (Baltimore, Md. : 1950)

Hyaluronic acid or TNF-alpha plus fibronectin triggers granulocyte macrophage-colony-stimulating factor mRNA stabilization in eosinophils yet engages differential intracellular pathways and mRNA binding proteins.

"MA5-12394 was used in western blot to investigate the effect of tumor necrosis factor alpha and hyaluronic acid on the long-term eosinophil survival and its mechanism"

Authors: Esnault S,Malter JS

Species
Human

Dilution
Not Cited

Year
2003

More applications with references on thermofisher.com

BLOCK (1)

Neu (6)

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