

CXCL12 Monoclonal Antibody (79018)

Product Details	
Size	500 µg
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	79018
Conjugate	Unconjugated
Immunogen	E. coli-derived recombinant human CXCL12/SDF-1 alpha Lys22-Lys89
Form	Lyophilized
Concentration	0.5 mg/mL
Purification	Protein A/G
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608711

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	8-25 µg/mL	-
Immunocytochemistry (ICC/IF)	8-15 µg/mL	-
Flow Cytometry (Flow)	0.25 µg per million cells	-
ELISA (ELISA)	0.1-0.4 µg/mL (Detection), 2-8 µg/mL (Capture)	-

Product Specific Information

Reconstitute at 0.5 mg/mL in sterile PBS.

Western Blot (2)

<p>Nature communications</p> <p>S100A9-CXCL12 activation in BRCA1-mutant breast cancer promotes an immunosuppressive microenvironment associated with resistance to immunotherapy.</p> <p>"MA5-23759 was used in Western Blot to provide a selective strategy for effective immunotherapy in patients with elevated S100A9 and/or CXCL12 protein levels."</p> <p>Authors: Li J,Shu X,Xu J,Su SM,Chan UI,Mo L,Liu J,Zhang X,Adhav R,Chen Q,Wang Y,An T,Zhang X,Lyu X,Li X,Lei JH,Miao K,Sun H,Xing F,Zhang A,Deng C,Xu X</p>	<p>Year 2022</p> <p>Species Mouse</p> <p>Dilution 1:50</p>
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<p>Oncogenesis</p> <p>CXCL12/CXCR4 axis supports mitochondrial trafficking in tumor myeloma microenvironment.</p> <p>"MA5-23759 was used in Western Blot to demonstrate that myeloma mesenchymal stromal cells (MSCs) have decreased reliance on mitochondrial metabolism as compared to healthy MSCs and increased tendency to deliver mitochondria to multiple myeloma cells."</p> <p>Authors: Giallongo C,Dulcamare I,Tibullo D,Del Fabro V,Vicario N,Parrinello N,Romano A,Scandura G,Lazzarino G,Conticello C,Li Volti G,Amorini AM,Musumeci G,Di Rosa M,Polito F,Oteri R,Aguennouz M,Parenti R,Di Raimondo F,Palumbo GA</p>	<p>Year 2022</p> <p>Species Human</p>
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Immunohistochemistry (2)

<p>Journal of Cancer</p> <p>Elevated CXCL12 in the plasma membrane of locally advanced rectal cancer after neoadjuvant chemoradiotherapy: a potential prognostic marker.</p> <p>"Published figure using CXCL12 monoclonal antibody (Product # MA5-23759) in Immunohistochemistry"</p> <p>Authors: Kim S,Yeo MK,Kim JS,Kim JY,Kim KH</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:300</p>
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<p>The Journal of investigative dermatology</p> <p>Single-Cell RNA-Sequencing Reveals Lineage-Specific Regulatory Changes of Fibroblasts and Vascular Endothelial Cells in Keloids.</p> <p>"MA5-23759 was used in Immunohistochemistry-immunofluorescence to highlight the roles of transforming growth factor beta and Eph-ephrin signaling pathways in both the aberrant fibrogenesis and angiogenesis of keloids."</p> <p>Authors: Liu X,Chen W,Zeng Q,Ma B,Li Z,Meng T,Chen J,Yu N,Zhou Z,Long X</p>	<p>Year 2022</p> <p>Species Human</p>
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