



New Products

JULY 2024

We are continually expanding our portfolio to meet your research needs. *Check out* the new products released this month!

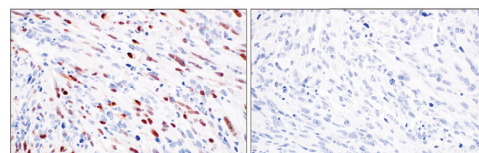
HOT PRODUCTS

Myogenin (E9A1S) Rabbit mAb #43098

Myogenin induce the expression of skeletal muscle cell-specific genes

Myogenin (MYOG), also called myogenic factor 4 (Myf-4), is a transcriptional regulatory protein that belongs to the myogenic basic helix-loop-helix protein family, which also includes MyoD, Myf-5, and MRF4. It is involved in skeletal muscle development and differentiation and is a marker for myogenesis. Detection of aberrant myogenin expression is also useful in pathology as an indicator of rhabdomyosarcoma (RMS). #43098 detects human and mouse myogenin and can be used by WB and IP.

KEYWORDS: Skeletal muscle development, rhabdomyosarcoma, transcriptional factor



IHC-P

IHC analysis of paraffin-embedded human uterine rhabdomyosarcoma using #43098 (left) compared to concentration-matched Rabbit (DA1E) mAb IgG XP® Isotype Control #3900 (right).

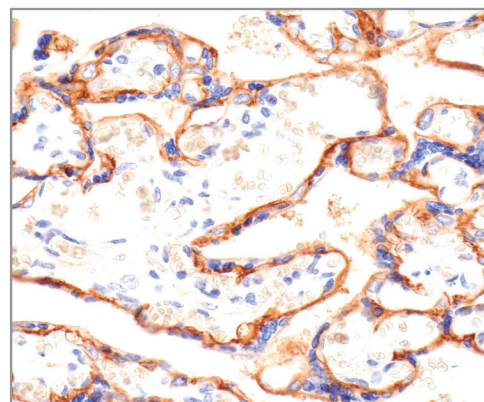
SLC40A1/Ferroportin-1 (F9U5S) Rabbit mAb #48322

SLC40A1/Ferroportin-1 (F4A2M) Rabbit mAb #80672

Iron-regulated transporter Ferroportin-1

Ferroportin-1 (FPN1), also known as solute carrier family 40 member 1 (SLC40A1) or iron-regulated transporter 1 (IREG1), is a multi-pass membrane protein that transports iron from the inside of the cell into the blood. As the only known iron exporter, FPN1 is critical for maintaining systemic iron homeostasis. FPN1 activity is regulated by hepcidin, a peptide hormone secreted by the liver in response to iron loading and inflammation. Loss of FPN1 in the brains of Alzheimer's disease (AD) mouse models and patients has been shown to promote ferroptosis, leading to neuronal death and memory impairment. Therefore, targeting of FPN1 may be a promising therapeutic approach for AD.

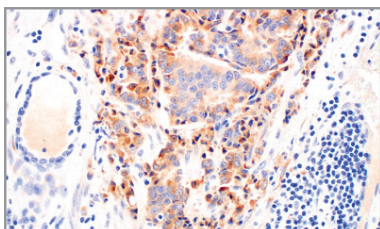
KEYWORDS: Iron transport, Ferroptosis, Alzheimer's disease



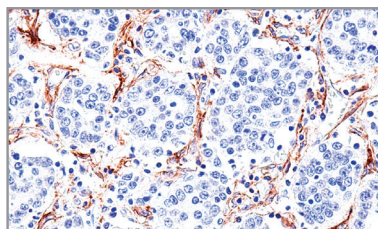
IHC-P

IHC analysis of paraffin-embedded normal human placenta using #48322.

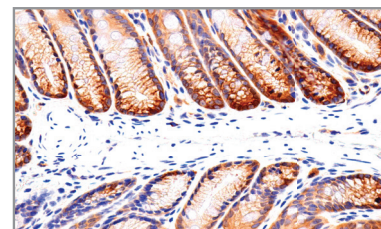




CYR61 (E5W3H) Rabbit mAb (BSA and Azide Free)
#56138



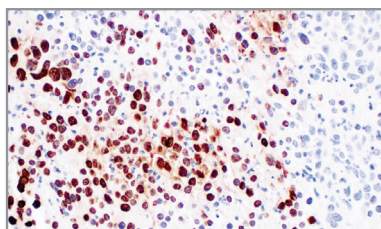
FAP (F1A4G) Rabbit mAb (BSA and Azide Free) #81192



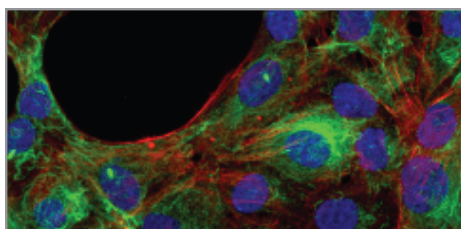
Caspase-8 (F5K9P) Rabbit mAb (BSA and Azide Free) #46272

	PRODUCT	APPLICATIONS	REACTIVITY
Adhesion/ECM			
94478S	Claudin-4 (F8I6W) Rabbit mAb	WB	H
24902SF	COL4A1 (E5M6R) Rabbit mAb (BSA and Azide Free)	IHC-P	H
66606SF	COL6A1 (E9U3B) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	H, M, R
92687SF	CTGF (D8Z8U) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H
56138SF	CYR61 (E5W3H) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, (R)
81192SF	FAP (F1A4G) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-L	H
92838S	GIT1 (F5R4M) Rabbit mAb	WB, IP	H, M, R
88163SF	TACSTD2/TROP2 (F4W4J) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
Apoptosis			
46272SF	Caspase-8 (F5K9P) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
96825S	Fas (F7B6N) Rabbit mAb	WB, IP	M
17450C	PathScan® Phospho-MLKL (Ser345) Chemiluminescent Sandwich ELISA Kit	ELISA	M
Autophagy			
58309S	DDRGK1 (F6M1S) Rabbit mAb	WB, IP	H
82484T	ER-phagy Cargo Receptor Antibody Sampler Kit	-	-
Ca, cAMP and Lipid Signaling			
82108S	PDE4A (E5P9A) Rabbit mAb	WB, IP	H
Cell Cycle / Checkpoint Control			
72586SF	Phospho-CASC5 (Thr943/Thr1155) (D8D4N) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H
Chromatin Regulation / Nuclear Function			
52912S	Total Ezh2 Matched Antibody Pair	ELISA	H, Mk
85639S	Phospho-Histone H2A.X (Ser139) Matched Antibody Pair	ELISA	H
40503S	Citrullinated Histone H3 (Arg2) (F3C9B) Rabbit mAb	WB	H, M, R, Mk
26111S	Citrullinated Histone H3 (Arg2) (F3C9B) Rabbit mAb (IHC Formulated)	IHC-P	H, M
80399S	ING5 (F7J4V) Rabbit mAb	WB, ChIP	H, M, R, Mk
28139S	MPP8 (F4Z4O) Rabbit mAb	WB, IP, ChIP	H, M, R, Mk
Cytoskeletal Signaling			
24666S	CHMP2A (F4T1J) Rabbit mAb	WB, IP, IF-IC	H, M, R
62742SF	Desmin (F5V4I) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
87118T	Lysosomal Marker Antibody Sampler Kit	-	-
77780SF	Acetyl- α -Tubulin (Lys40) (D20G3) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-F, IF-IC, FC-FP	H, M, R, Mk, Z, (X)
Developmental Biology			
70322SF	ID1 (F2M1J) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, Mk
42153S	KISS1 (E6H9S) Rabbit mAb	WB, IHC-P	H
49074SF	c-Myb (D1B9E) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H
43098S	Myogenin (E9A1S) Rabbit mAb	WB, IHC-P, IF-IC	H, M, (R)
23724SF	Sox10 (E2V9N) Rabbit mAb (BSA and Azide Free)	IF-F, IF-IC	H, M
46008S	TCF4/ITF2 (E3X2Y) Rabbit mAb	WB, IP, IHC-P, IF-F, IF-IC, FC-FP	H, M, R, (B, Dg, Pg, Hr, Rab)
46993S	TCF4/ITF2 (E3X2Y) Rabbit mAb (ChIP Formulated)	ChIP	H, (B, Dg, Pg, Hr, Rab)
Immunology and Inflammation			
87132S	β 2-microglobulin (E8G2O) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	M

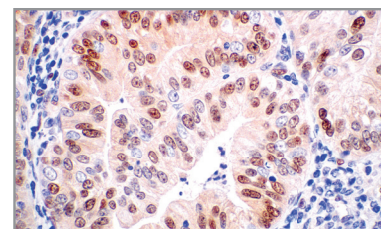




Citrullinated Histone H3 (Arg2) (F3C9B)
Rabbit mAb (IHC Formulated) #26111

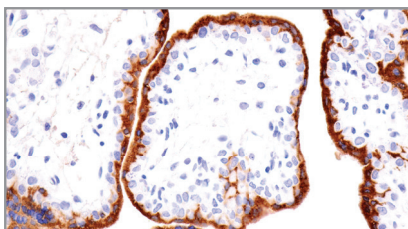


Acetyl- α -Tubulin (Lys40) (D20G3) XP® Rabbit mAb (BSA
and Azide Free) #77780

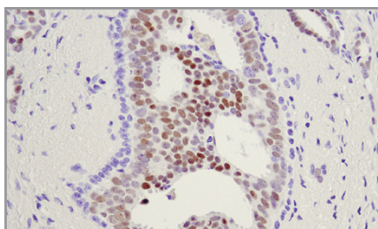


ID1 (F2M1J) Rabbit mAb (BSA and Azide
Free) #70322

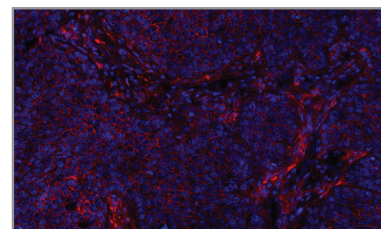
PRODUCT	APPLICATIONS	REACTIVITY
Immunology and Inflammation cont.		
82333S β 2-microglobulin (E8G20) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	M
97962S CD44 (E7K2Y) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	IHC-P	H, M, R
55713S CD44 (E7K2Y) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P	H, M, R
10112S CD63 (F8P5K) Rabbit mAb	WB	M
40656SF CD177 (F9O5U) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
45237S CXCR5 (E3G3A) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-L	M
67145S CXCR5 (E3G3A) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-L	M
78117SF Dectin-1/ Clec7a (E3P5W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	M
57415SF Fc γ RIIB (E4D2F) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
45586S Galectin-8/LGALS8 (F9O3T) Rabbit mAb	WB, IP, IHC-P	H
91291S Granzyme F (E2U7L) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-F, FC-FP	M
97610S Granzyme F (E2U7L) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IF-F, FC-FP	M
99481SF HS1 (E6G7M) Mouse mAb (BSA and Azide Free)	WB, IF-F, IF-IC	M
52170S IL-33 (F7H4J) Rabbit mAb	WB	M, R
25334S Integrin β 8 (F1H4B) Rabbit mAb	WB	H, R
88687SF LAMP3/CD208 (E6E5U) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
55225SF Lck (73A5) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H
61891SF Neutrophil Elastase (F4H3X) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
43571SF NKG7 (F4V5I) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
45011C PathScan® RP Total IRF-7 Sandwich ELISA Kit	ELISA	M
62491C PathScan® RP Phospho-IRF-7 (Ser437/438) Sandwich ELISA Kit	ELISA	M
57396S PD-L1 (F4G6U) Rabbit mAb	FC-FP, FC-L	M
44673S Phospho-NF- κ B p65 (Ser529) (E3K3J) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	H
69688S Phospho-NF- κ B p65 (Ser529) (E3K3J) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H
58025S PVR/CD155 (F3V9H) Rabbit mAb	WB	M
77657S Raet1 (F4V7S) Rabbit mAb	WB	M
37924SF S100A8 (F4R2W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H
88078SF SERPINB9 (E9X9Z) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H
67088T Stat3/Stat5 Signaling Antibody Sampler Kit	-	-
64175S Whitlow/218 Linker (E3U7Q) Rabbit mAb (PE-Cy®7 Conjugate)	FC-L	All
MAP Kinase Signaling		
44745S Total p44/42 MAPK (Erk1/2) Matched Antibody Pair	ELISA	H, M
34972S Phospho-p44/42 MAPK (Thr202/Tyr204) Matched Antibody Pair	ELISA	H, M, R
36046S Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2) Rabbit mAb (mFluor™ Violet 510 Conjugate)	FC-FP	H, M, R, Mk, Mi, Dm, Z, Pg
43550S Pyk2 (F3I2K) Rabbit mAb	WB, IP	H, M, R
Metabolism		
29256S AMACR (F7T6V) Rabbit mAb	WB, IP, IHC-P	H
67330SF CD10/Nephrilysin (F4P6H) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	M, R
48041SF CHGA (F7D6H) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
63433SF CPS1/Hep Par-1 (E9I9U) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
28899SF FoxA1/HNF3a (E7E8W) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H



KISS1 (E6H9S) Rabbit mAb #42153

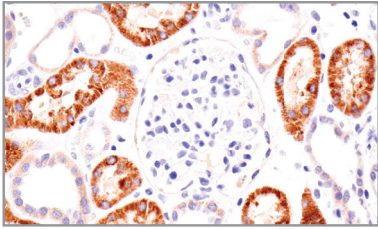


c-Myb (D1B9E) Rabbit mAb (BSA and Azide Free) #49074

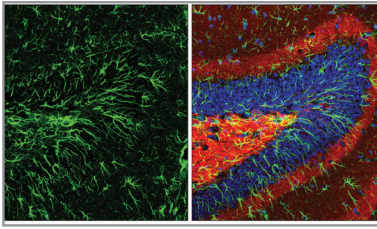


CD44 (E7K2Y) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate) #55713

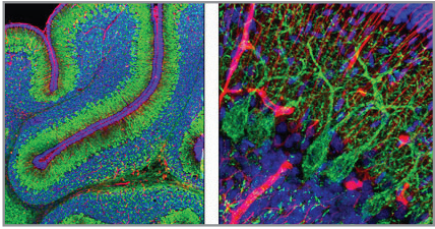
PRODUCT	APPLICATIONS	REACTIVITY
Metabolism <i>cont.</i>		
79656S FTL (F9O4I) Rabbit mAb	IHC-P	H, (M, R)
66911SF GOT2 (F4P3R) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R
48354S Hemoglobin γ (D4K7X) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H
98445S TOM70 (F4B1Y) Mouse mAb	WB, IF-IC	H, M, R
51786S UAP1 (F5K2U) Rabbit mAb	WB	H, M, R
Neuroscience		
48679SF Doublecortin (F6K9E) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
20892SF Frataxin (F4V2S) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M
94242S GFAP (E4L7M) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	IHC-P, IF-F, IF-IC	H, M, R, Mk
15913S GFAP (E4L7M) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P, IF-F, IF-IC	H, M, R, Mk
65216SF GPR52 (E9D8W) Rabbit mAb (BSA and Azide Free)	WB, IF-F	H, M
53771S ICA1L (F6I4E) Rabbit mAb	WB	M, R, (H)
16983SF Nestin (Rat-401) Mouse mAb (BSA and Azide Free)	IHC-P, IF-F	R
90125S Phospho-NMDA Receptor 2B (GluN2B) (Tyr1472) (E8K2J) Rabbit mAb	WB	R, (H, M)
54934S PTN (F7T3F) Rabbit mAb	WB, IF-IC	H, M, R
74575SF RGS14 (E4N2Q) Rabbit mAb (BSA and Azide Free)	WB, IF-F	M, R
48322S SLC40A1/Ferroportin-1 (F9U5S) Rabbit mAb	WB, IHC-P	H
40360SF SNAP25 (F5Z2D) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
88578SF Phospho-Tau (Thr205) (E8Q5Z) Mouse mAb (BSA and Azide Free)	WB, IF-F	H, M, R
95635SF Phospho-Tau (Thr205) (E9A7P) Mouse mAb (BSA and Azide Free)	WB, IF-F	H, M, R
28853S Phospho-Tau (Ser396) Matched Antibody Pair	ELISA	H, M, R
20804S Phospho-Tau (Ser404) Matched Antibody Pair	ELISA	H, M, R
86800S Tau 4R (F4O1Y) Mouse mAb	WB, IP	H, M, R
56936S TMEM175 (F5G5U) Rabbit mAb	WB	M, R
Nuclear Receptor Signaling		
80672S SLC40A1/Ferroportin-1 (F4A2M) Rabbit mAb	WB, IF-IC, FC-FP, FC-L	H
PI3K / Akt Signaling		
97211S PLCγ2 (F9L8Z) Rabbit mAb	WB, IP, IF-F	H, M
Protein Folding and Trafficking		
48090S RILP (F1H4O) Rabbit mAb	WB, IP	H, M, R
96396S UFL1 (F5P6L) Rabbit mAb	WB, IP, IF-F, IF-IC	H, M, R
RTK		
89856S Phospho-DDR1 (panTyr) Matched Antibody Pair	ELISA	H
87095SF FAK (F7Z4C) Mouse mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
56769S Phospho-FGF Receptor 1 (panTyr) Matched Antibody Pair	ELISA	H
70635S Phospho-FGF Receptor 3 (panTyr) Matched Antibody Pair	ELISA	H
Translational Control		
75466SF DDX5 (D15E1O) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H, M, R, Mk, (B, Hr)
47857S DDX39A (F7T4J) Rabbit mAb	WB, IP	H, M, R, Mk
94113S Phospho-mTOR (Ser2448) Matched Antibody Pair	ELISA	H, M, R, Mk
54055S RPL22 (F1J4Y) Rabbit mAb	WB	H, M, R, Mk



AMACR (F7T6V) Rabbit mAb #29256



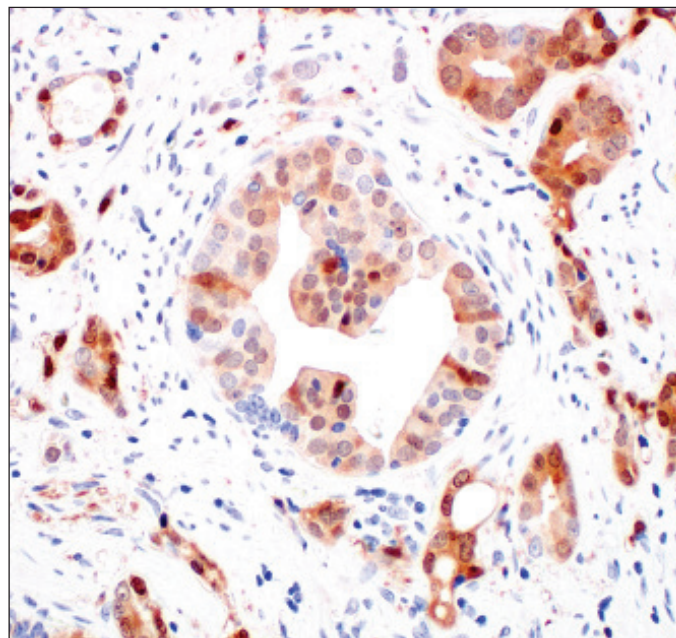
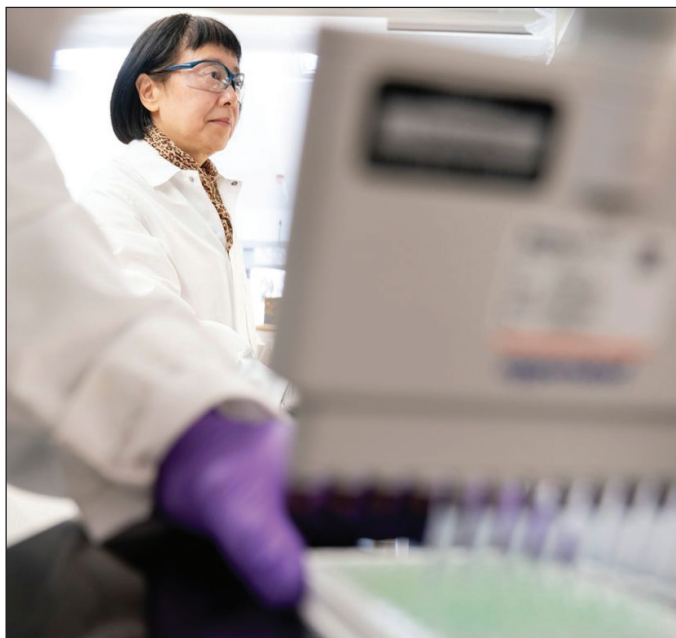
GFAP (E4L7M) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate) #94242



Nestin (Rat-401) Mouse mAb (BSA and Azide Free) #16983

PRODUCT		APPLICATIONS	REACTIVITY
Related Products			
95978S	BODIPY 581/591 C11 (Lipid Peroxidation Sensor)	IF-IC, FC-FP	-
26921S	DYKDDDDK Tag (D6W5B) Rabbit mAb (Binds to same epitope as Sigma-Aldrich Anti-FLAG M2 antibody) (iFluor® 594 Conjugate)	FC-FP	All
18913S	DYKDDDDK Tag (D6W5B) Rabbit mAb (Binds to same epitope as Sigma-Aldrich Anti-FLAG M2 antibody) (mFluor™ Violet 510 Conjugate)	FC-FP	All
50285S	HA-Tag (C29F4) Rabbit mAb (mFluor™ Violet 510 Conjugate)	FC-FP	All
35913S	Human CSF-1/M-CSF Recombinant Protein	-	-

What's New at CST



Choose the right ELISA kit to keep your project on track. CST® ELISA kits offer several advantages:

- Lot-to-lot consistency ensuring assay-to-assay reproducibility
- Ready-to-use 96-well format and customizable to 384-well format
- Available for colorimetric detection, customizable to chemiluminescent detection
- Detect PTMs, endogenous proteins, and biomarkers across multiple diseases
- Kits can be tailored to meet your needs when ordering five or more at once

<https://cst-science.com/Q3-2024-info1>

Jump-Start Your Senescence Research:

Understanding cellular senescence is key to preventing the progression of tumor development. In this blog, we delve into how IHC-validated antibodies like p16 INK4A can help identify these biomarkers.

<https://cst-science.com/Q3-2024-info3>

For Research Use Only. Not for Use in Diagnostic Procedures.

© 2024 Cell Signaling Technology, Inc. CST, Cell Signaling Technology, and XP are registered trademarks of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information. 23-PRG-59950-EN

cellsignal.com/newproducts



Cell Signaling
TECHNOLOGY®