



# New Products

MAY 2023

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

## HOT PRODUCTS

### OLR1/LOX1 (E9C5A) Rabbit mAb #57946

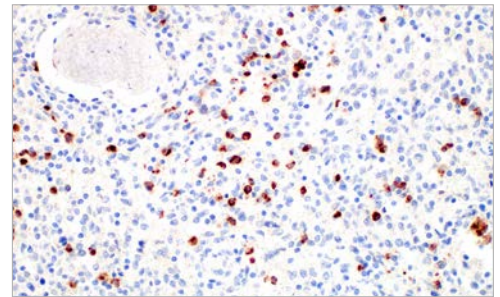
#### Specific markers for human PMN-MDSC

Oxidatively modified low-density lipoprotein (Ox-LDL) causes endothelial cell dysfunction and activation and contributes to atherosclerosis.

OLR1, also known as LOX1, was cloned and identified as a cell membrane receptor for Ox-LDL in vascular endothelial cells.

In addition, research studies show that OLR1/LOX1 is one of the most overexpressed genes in human polymorphonuclear myeloid-derived suppressor cells (PMN-MDSC) that regulate immune responses in cancer and is known a specific marker of human PMN-MDSC. Therefore, OLR1/LOX1 is known as a specific marker of human PMN-MDSC.

**KEYWORDS:** PMN-MDSC, Cancer, Ox-LDL



**IHC-P:** IHC analysis of paraffin-embedded normal human spleen using #57946.

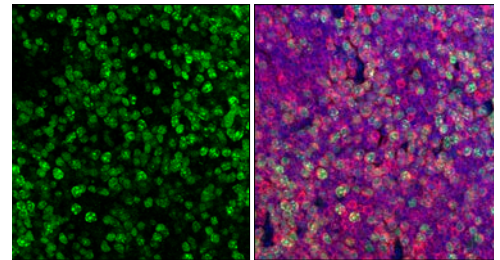
### Ubiquityl-Histone H3 (Lys18) (E4D7R) Rabbit mAb #37771

#### Hemi-methylated DNA marker

Histone H3 is mono-ubiquitinated at Lys14/Lys18/Lys23 by UHRF1 and is deubiquitylated by USP7. UHRF1-mediated ubiquitylation of H3 at Lys14/Lys18/Lys23 (H3Ub) plays a critical role in maintaining DNA methylation states, as H3Ub recruits DNMT1 to hemi-methylated DNA at replication sites during S phase. Conversely, deubiquitylation of H3 by USP7 is believed to abrogate DNMT1 docking to chromatin when replication is complete.

Therefore, the interplay between UHRF1 and USP7 is believed to play a significant role in DNA methylation maintenance, and potential cancer therapies targeting USP7 are currently being investigated.

**KEYWORDS:** Hemi-methylated DNA, Histone modification, Cancer



**IF-F:** Confocal IF analysis of formaldehyde fixed frozen mouse thymus labeled with #37771 (left, green), CD3 (17A2) Rat mAb (APC Conjugate) #24265 (right, red), and ProLong Gold Antifade Reagent with DAPI #8961 (right, blue).



	PRODUCT	APPLICATIONS	REACTIVITY
<b>Adhesion/ECM</b>			
52899SF	Cathepsin D (E7Z4L) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	M
68864SF	CD248 (E9Z7O) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-IC	H
66154SF	COL1A1 (E3E1X) Mouse mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-IC	H
43306S	COL2A1 (E8S2S) Rabbit mAb	WB	H
30903S	Fibronectin/FN1 (E7F5X) Rabbit mAb	WB	M
35814SF	MMP-2 (D4M2N) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
93029S	Tenascin C (E6N4L) Rabbit mAb	WB, IHC-P	H
<b>Apoptosis</b>			
41300S	Bax (E2Q7G) Rabbit mAb	WB, IP	H
41629S	Bcl-xl (54H6) Rabbit mAb (Alexa Fluor <sup>®</sup> 750 Conjugate)	FC-FP	H, M, R, Mk
49414SF	Fas (C18C12) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
90057S	c-Myc (E5Q6W) Rabbit mAb (Alexa Fluor <sup>®</sup> 488 Conjugate)	FC-FP	H, M, R
<b>Autophagy</b>			
10709S	PhosphoPlus <sup>®</sup> Atg16L1 (Ser278) Antibody Duet	–	–
75959S	Phospho-Atg101 (Ser11) (E5Z5A) Rabbit mAb	WB	H, (M, R)
50936S	Phospho-ULK1 (Thr180) (E4N8N) Rabbit mAb	WB	M, (H, R)
<b>Ca, cAMP and Lipid Signaling</b>			
30167SF	CFTR (D6W6L) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H
50261SF	MCU (D2Z3B) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R, Mk
15992S	S100A10 Antibody	WB	H, M
<b>Cell Cycle / Checkpoint Control</b>			
58111SF	Rad50 (E4J5R) Rabbit mAb (BSA and Azide Free)	IHC-LB, IHC-P	H
75864S	Phospho-Rb (Ser807/811) (D20B12) XP <sup>®</sup> Rabbit mAb (Pacific Blue <sup>™</sup> Conjugate)	FC-FP	H, M, R, Mk
50616S	SGO2 (E9K4N) Rabbit mAb	WB, IP, IHC-P, IF-IC	H
<b>Chromatin Regulation / Nuclear Function</b>			
46787S	ACTL6B/BAF53B (E5X8C) Rabbit mAb	WB	H, M, R
37771S	Ubiquitinyl-Histone H3 (Lys18) (E4D7R) Rabbit mAb	WB, IF-F, IF-IC	H, M, R
19893S	Menin (E5P1R) Rabbit mAb	WB, IP, IHC-P, ChIP	H, M, R, Mk
47577S	MLLT3 (E5Z7U) Rabbit mAb	WB, IP, IF-IC	H, M, R, Mk
37489S	MTA3 (E3X2E) Rabbit mAb	WB, IP, ChIP	H, M, R, Mk
27498SF	Topoisomerase IIa (D10G9) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk
<b>Cytoskeletal Signaling</b>			
50047S	NUP210 (E9A5G) Rabbit mAb	WB	H, M, R, Mk
<b>Developmental Biology</b>			
48481S	GDF15/MIC1 (E4D3K) Rabbit mAb	WB, IF-IC	H
42844S	PEG10-RF1 (E8W3W) Rabbit mAb	WB	H, M, R
<b>Glucose / Energy Metabolism</b>			
61474SF	ABCG2 (D5V2K) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M
<b>Immunology and Inflammation</b>			
26528S	Phospho-BLNK (Tyr84) (E6A9C) Rabbit mAb	WB	H
20099S	BST2 (E4N3W) XP <sup>®</sup> Rabbit mAb (Alexa Fluor <sup>®</sup> 488 Conjugate)	FC-L	H
36756S	BST2 (E4N3W) XP <sup>®</sup> Rabbit mAb (Alexa Fluor <sup>®</sup> 647 Conjugate)	FC-L	H
90615SF	CD48 (D7L8I) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
60432S	FcγRIIA (E3K8U) Rabbit mAb	WB	H
16992S	FcεRI (E6D9L) Rabbit mAb	WB	M
90841S	G4S Linker (E7O2V) Rabbit mAb (Alexa Fluor <sup>®</sup> 532 Conjugate)	FC-L	All
18862S	G4S Linker (E7O2V) Rabbit mAb (Alexa Fluor <sup>®</sup> 555 Conjugate)	FC-L	All
39614S	G4S Linker (E7O2V) Rabbit mAb (Alexa Fluor <sup>®</sup> 594 Conjugate)	FC-L	All

	PRODUCT	APPLICATIONS	REACTIVITY
<b>Immunology and Inflammation</b> <i>(cont.)</i>			
40107S	G4S Linker (E702V) Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-L	All
65145SF	IL-6 (D5W4V) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	M
91618S	LAT (E3U6J) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	H, M
64046S	β2-microglobulin (E8G2Q) Rabbit mAb	WB, IF-F, IF-IC, FC-FP	M
19600SF	PRAME (E711B) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, FC-FP	H
25685S	Phospho-Staf1 (Tyr701) (S8D6) Rabbit mAb (Alexa Fluor® 750 Conjugate)	FC-FP	H, M
20977S	Phospho-Staf3 (Tyr705) (D3A7) XP® Rabbit mAb (Alexa Fluor® 750 Conjugate)	FC-FP	H, M, R, Mk, (Hm, B, Pg, Hr)
69210S	Human Monocyte STING Activation Flow Cytometry Panel	FC-FP	H
99347S	TNF-R2 (E8D7P) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-L	H
86380SF	Tox/Tox2 (E6G5O) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC, FC-FP	H, M, R
46419S	Tox4 (E9U3L) Rabbit mAb (ChIP Formulated)	ChIP	H
25186S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 532 Conjugate)	FC-L	All
85651S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 555 Conjugate)	FC-L	All
61465S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 594 Conjugate)	FC-L	All
72160S	Whitlow/218 Linker (E3U7Q) Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-L	All
<b>Infectious Diseases</b>			
96795S	SARS-CoV-2 Nsp2 (E3Q9Z) Rabbit mAb	WB	Vir
<b>MAP Kinase Signaling</b>			
47677S	ARK5 (E4T2A) Rabbit mAb	WB, IHC-P	H, M
87594SF	β-Arrestin 2 (C16D9) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk
32170SF	FosB (5G4) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
88569S	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2) Rabbit mAb (Alexa Fluor® 750 Conjugate)	FC-FP	H, M, R, Mk, Mi, Dm, Z, Pg
67096S	SAPK/JNK (E7R5D) Rabbit mAb	WB	H, M, R
<b>Metabolism</b>			
39507SF	Enolase-2 (E7D7I) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC, FC-FP	H, M, R
64943S	MESH1/HDDC3 (E2U8P) Rabbit mAb	WB	H, M
57946S	OLR1/LOX1 (E9C5A) Rabbit mAb	WB, IHC-P	H
35293S	Transferrin (E7F4T) Rabbit mAb	WB, IP	H
<b>Motif Antibodies</b>			
79589S	PTMScan® HS Pilot Succinyl-Lysine Motif (Succ-K) Kit	–	–
<b>Neuroscience</b>			
39325SF	AMPA Receptor 1 (GluA1) (D4N9V) Rabbit mAb (BSA and Azide Free)	WB, IF-F	M, R, (Mk, B, Dg)
60071S	BDNF (E5H5C) Rabbit mAb	WB, IP	H, M
35173SF	Brn2/POU3F2 (D2C1L) Rabbit mAb (BSA and Azide Free)	WB, IF-F	H, M, R
92284SF	CaMKII-α (6G9) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
54007S	Cathepsin H (E6L4W) Rabbit mAb	WB	H, M, R
50326SF	CB1 Receptor (D5N5C) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	H, M, R
69734SF	CGRP (D5R8F) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
95214S	ENPP6 (E7P2Q) Rabbit mAb	WB	H, M, R
85715SF	MOG (E5K6T) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
62596SF	Myelin Basic Protein (D8X4Q) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
66885S	Neurofilament-L (E4Z2P) Mouse mAb	WB, IP	H, M, R
53682SF	Neurofilament-M (E7L2T) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
85207SF	Neurogranin (E9L8D) Rabbit mAb (BSA and Azide Free)	WB, IF-F	H, M, R
60642SF	PSD95 (D74D3) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
36898S	Tau (E8G8H) Rabbit mAb	WB	H, M, R
98160SF	Phospho-Tau (Thr205) (E3E3B) Mouse mAb (BSA and Azide Free)	IHC-P	H

PRODUCT	APPLICATIONS	REACTIVITY
<b>Neuroscience (cont.)</b>		
<b>42120SF</b> TBR1 (D6C6X) Rabbit mAb (BSA and Azide Free)	IHC-P, IF-F	H, M, R
<b>77349SF</b> $\beta$ 3-Tubulin (E9F3E) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
<b>50423SF</b> VAMP2 (D6O1A) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	H, M, R
<b>PI3K / Akt Signaling</b>		
<b>19391SF</b> GSK-3 $\beta$ (27C10) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk
<b>RTK</b>		
<b>59840S</b> Ron (E8M4A) Rabbit mAb	WB	H
<b>Translational Control</b>		
<b>45656S</b> G3bp1 (E8N8F) Rabbit mAb	WB, IP, IF-F, IF-IC	M, R
<b>61689S</b> RBM4 (E1Y2G) Rabbit mAb	WB, IP, IF-IC	H, Mk
<b>5386S</b> RBM8A (E5Z8T) Rabbit mAb	WB	H, M, R, Mk
<b>29753S</b> RPL15 (E3X8M) Rabbit mAb	WB	H, M, R
<b>Related Products</b>		
<b>74319S</b> Human IL-4 Recombinant Protein	–	–
<b>29480S</b> Protein L (APC Conjugate)	FC-L	H
<b>10858S</b> Human/Mouse TGF- $\beta$ 3 Recombinant Protein	–	–

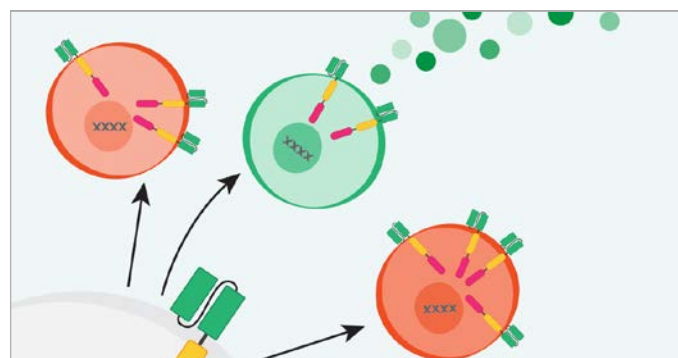
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