New Products

APRIL 2024

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

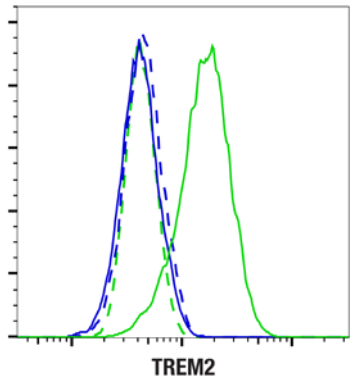
HOT PRODUCTS

TREM2 (E7O7Q) Rabbit mAb #89956

A Membrane Protein Genetically Linked to Alzheimer's Disease

The triggering receptor expressed on myeloid cells 2 (TREM2) protein is an innate immune receptor that is expressed on the cell surface of microglia, macrophages, osteoclasts, and immature dendritic cells. The TREM2 receptor is a single-pass type I membrane glycoprotein that consists of an extracellular immunoglobulin-like domain, a transmembrane domain, and a cytoplasmic tail. TREM2 interacts with the tyrosine kinase-binding protein DAP12 to form a receptor-signaling complex. The TREM2 protein plays a role in innate immunity and a rare functional variant (R47H) of TREM2 is associated with the late-onset risk of Alzheimer's disease.

KEYWORDS: Alzheimer's Disease, Microglia, Macrophages



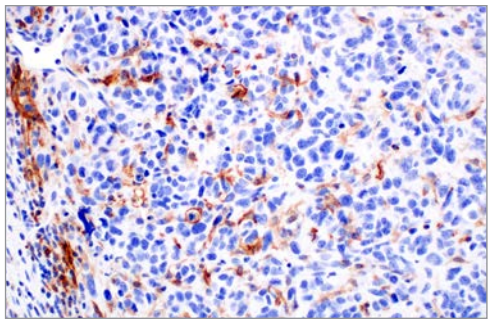
Flow: Flow cytometric analysis of live Neuro-2a cells (blue, negative) and J774A.1 cells (green, positive) using #89956 (solid lines) or concentration-matched Rabbit (DA1E) mAb IgG XP® Isotype Control #3900 (dashed lines). Anti-rabbit IgG (H+L), F(ab')$_2$ Fragment (Alexa Fluor® 488 Conjugate) #4412 was used as a secondary antibody.

Dectin-1/ Clec7a (E3P5W) Rabbit mAb #30260

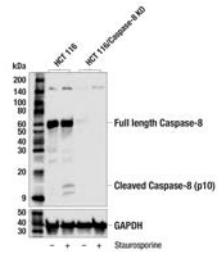
Key Lectin Receptor in Myeloid Cells and Alzheimer's Disease

Dectin-1, also known as Clec7a, is a C-type lectin receptor expressed by macrophages, monocytes, dendritic cells, neutrophils, and a subset of γδ T cells. Dectin-1 is a glycoprotein with eight different isoforms, generated through alternative splicing. It plays an important role in anti-fungal immunity by acting as a pattern recognition receptor for β-glucans found on the cell wall of fungi and some bacter. Dectin-1 is composed of a short amino-terminal cytoplasmic domain containing an ITAM-like motif, a transmembrane domain, and an extracellular carboxy-terminal C-type lectin domain. Dectin-1 recognizes β-glucans through its C-type lectin domain and transduces signals through its ITAM-like motif by recruiting and activating Syk. Dendritic cells activated through Dectin-1 promote differentiation of Th17 cells by producing IL-6 and IL-23.

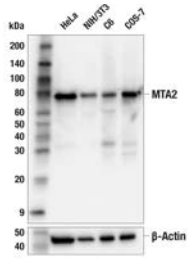
KEYWORDS: Myeloid cells, Neuroscience, β-glucans



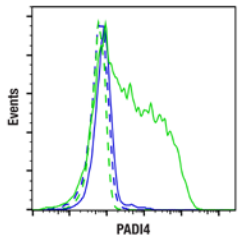
IHC-P: IHC analysis of paraffin-embedded GL261 syngeneic tumor using #30260.



Caspase-8 (F5K9P) Rabbit mAb #8873

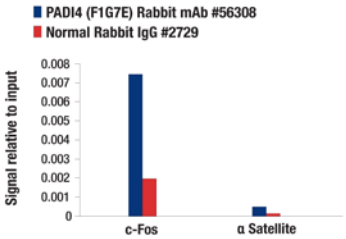


MTA2 (F2D5U) Rabbit mAb #95197

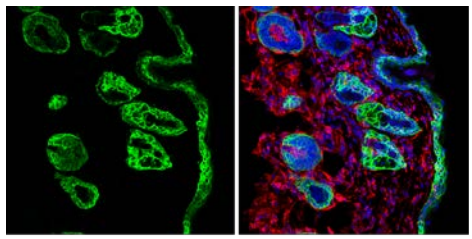


PADI4 (F1B9L) Rabbit mAb #76469

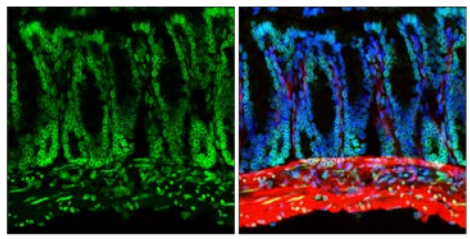
	PRODUCT	APPLICATIONS	REACTIVITY
Adhesion/ECM			
53536SF	Cadherin-17 (E5J8Z) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
18880S	COL4A1 (E5M6R) Rabbit mAb (IHC Formulated)	IHC-P	H
75601S	EMCN (E2Z7L) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-L	M
80880S	EMCN (E2Z7L) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-L	M
14452T	EpCAM (D9S3P) Rabbit mAb (IHC Preferred)	WB, IHC-P, FC-FP	H, Mk
40994T	MMP-2 (D4M2N) Rabbit mAb	WB, IP, IHC-P, IF-IC	H
30960SF	Talin-1 (C45F1) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Hm, Mk
Apoptosis			
42264S	Caspase-4 (F4T9L) Rabbit mAb	WB, IP	H
8873S	Caspase-8 (F5K9P) Rabbit mAb	WB, IHC-P	H, M, R
36974SF	Cytochrome c (D18C7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, (B, Pg)
51705T	N-Myc (D4B2Y) Rabbit mAb	WB, IP, IHC-P, ChIP, ChIP-seq	H, M, (R)
Autophagy			
88588T	SQSTM1/p62 (D5L7G) Mouse mAb	WB, IP, IHC-P, IF-IC	H
Cell Cycle / Checkpoint Control			
41769SF	CDK6 (E3E3Q) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
18676SF	Cyclin A2 (E9Q5G) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	M, R
48818T	p53 (DO-7) Mouse mAb	WB, IHC-P, IF-IC, FC-FP, ChIP	H
15755SF	p53 (1C12) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Hm, Mk, (Rab)
34858T	SLFN11 (D8W1B) Rabbit mAb	WB, IP, IHC-LB, IHC-P, FC-FP	H
Chromatin Regulation / Nuclear Function			
83511SF	BRD9 (E4Q3F) Rabbit mAb (BSA and Azide Free)	IF-IC, FC-FP	H
57794S	EBF1 (E2I3Q) Rabbit mAb	WB, IP, IF-IC, FC-FP	H, (M, R)
46249T	Exportin-1/CRM1 (D6V7N) Rabbit mAb	WB, IP, IHC-P, IF-IC	H, M, Mk
70303S	Phospho-Ezh2 (Thr311) (F1K1B) Rabbit mAb	WB	H, M, R, Mk
95197S	MTA2 (F2D5U) Rabbit mAb	WB, IP, ChIP	H, M, R, Mk
14574T	Nucleolin (D4C7O) Rabbit mAb	WB, IP, IHC-P, IF-IC, FC-FP, eCLIP	H, M, R, Mk
76469S	PADI4 (F1B9L) Rabbit mAb	WB, IP, IF-IC, FC-FP	H
56308S	PADI4 (F1G7E) Rabbit mAb	WB, ChIP	H
Cytoskeletal Signaling			
54043S	Annexin V (E3W8V) Rabbit mAb	WB, IHC-P, IF-IC, FC-FP	H, M, R, (Pg)
27376S	Dab2 (F9K9T) Rabbit mAb	WB, IP	H
73348S	Desmin (F5V4I) Rabbit mAb	WB, IHC-P	H, M, R
95052SF	Keratin 14 (E7W6V) Rabbit mAb (BSA and Azide Free)	IHC-P, IF-F, IF-IC, FC-FP	H, M, (R)
36936S	NUP153 (E3N3Y) Rabbit mAb	WB, IP, IF-F, IF-IC	M
81254T	PVR/CD155 (D8A5G) Rabbit mAb	WB, IHC-LB, IHC-P	H
Developmental Biology			
76596SF	Axin1 (C76H11) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M
48888SF	GATA-6 (D61E4) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, (R, Dg, Pg)
11988T	HES1 (D6P2U) Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk



PADI4 (F1G7E) Rabbit mAb #56308

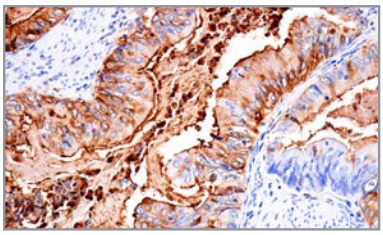


Keratin 14 (E7W6V) Rabbit mAb (BSA and Azide Free) #95052

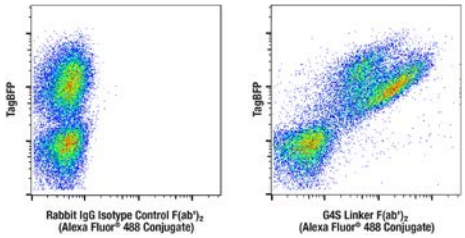


NUP153 (E3N3Y) Rabbit mAb #36936

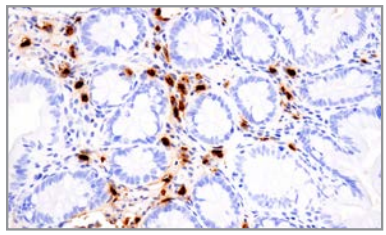
	PRODUCT	APPLICATIONS	REACTIVITY
Developmental Biology *(cont.)*			
23369S	ID1 (F2M1J) Rabbit mAb	WB, IP, IHC-P	H, Mk
25344S	ID1 (F2M1J) Rabbit mAb (IF/Flow Formulated)	IF-IC, FC-FP	H
15269SF	Jagged1 (D4Y1R) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H, M, Mk, (R, Hm)
12292T	TEAD1 (D9X2L) Rabbit mAb	WB, WB-S, IP, IHC-P, IF-IC	H, M, Mk, (R)
Immunology and Inflammation			
34594T	4-1BB/CD137/TNFRSF9 (D2Z4Y) Rabbit mAb	WB, IP, IHC-P, IF-IC, FC-FP, FC-L	H
58404S	4-1BBL/CD137L/TNFSF9 (F9V9P) Rabbit mAb	WB	M
15103T	Aiolos (D1C1E) Rabbit mAb	WB, IP, IHC-P, FC-FP, ChIP, ChIP-seq, C&R	H, M
64666SF	CD38 (E9F5A) XP® Rabbit mAb (BSA and Azide Free)	WB, IP, IHC-P, IF-F, IF-IC	M, R
18991S	CD177 (F9O5U) Rabbit mAb	WB, IHC-P	H
52181S	CD205/DEC-205 (F1N2F) Rabbit mAb	WB	H, M
55226SF	CTLA-4 (E2V1Z) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H, M
30260S	Dectin-1/ Clec7a (E3P5W) Rabbit mAb	WB, IHC-P, IF-F	M
26402S	FcRL3 (E1V4L) Rabbit mAb	WB	H
30177S	G4S Linker (E7O2V) F(ab')2 Fragment (Alexa Fluor® 488 Conjugate)	FC-L	All
34457SF	GITR (E9O9H) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-F, FC-FP, FC-L	M
86630T	IDO (D5J4E™) Rabbit mAb	WB, IP, IHC-LB, IHC-P, IF-IC, FC-FP	H
89555SF	IFI16 (D8B5T) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
14859T	Ikaros (D6N9Y) Rabbit mAb	WB, WB-S, IHC-P, IF-F, IF-IC, FC-FP, ChIP, ChIP-seq, C&R	H, M
79154S	IKKγ (F8I8M) Rabbit mAb	WB	M, R
76983T	IRF-5 (E7F9W) Rabbit mAb	WB, IP, IHC-LB, IHC-P, IF-IC, FC-FP	H
25537SF	LAG3 (E3E9B) Rabbit mAb (BSA and Azide Free)	FC-L	M
27432SF	LRF/Pokemon (D7U2O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
77478SF	MAGE-A10 (E9V2Q) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
98156SF	MAVS (E8Z7M) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	M
12851T	β2-microglobulin (D8P1H) Rabbit mAb	WB, IHC-P, IF-IC, FC-FP	H, Mk
28162S	Neutrophil Elastase (F4H3X) Rabbit mAb	WB, IHC-P	H
28386S	PTPRJ/DEP-1 (F4G8K) Rabbit mAb	WB, IP, FC-FP, FC-L	H
8826T	Phospho-Stat1 (Ser727) (D3B7) Rabbit mAb	WB, IP, IHC-P, ChIP	H, M, R, Mk
88183T	TNFRSF17/BCMA (E6D7B) Rabbit mAb	WB, IP, IHC-LB, IHC-P, FC-FP	H
73174S	Tox/Tox2 (E6I3Q) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P	H, M, R
47375S	Whitlow/218 Linker (E3U7Q) F(ab')2 Fragment (Alexa Fluor® 647 Conjugate)	FC-L	All
84056SF	ZBP1 (E6H8F) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	M
MAP Kinase Signaling			
75628S	Phospho-PFAS (Thr619) (F1L7L) Rabbit mAb	WB, IP	H
Metabolism			
30127SF	AMPKα (23A3) Rabbit mAb (BSA and Azide Free)	WB	H, M, R, Mk
50081T	Phospho-AMPKα (Thr172) (D4D6D) Rabbit mAb	WB, WB-S, IP, IHC-P	H, M, R, (C, Z, B, Pg)
76191SF	C/EBPβ (E2K1U) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk



CD177 (F9O5U) Rabbit mAb #18991



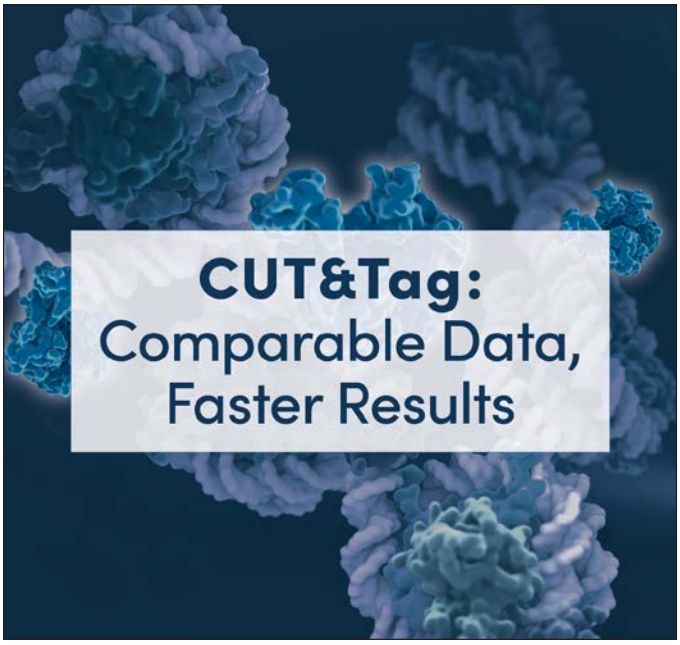
G4S Linker (E7O2V) F(ab')$_2$ Fragment (Alexa Fluor® 488 Conjugate) #30177



Neutrophil Elastase (F4H3X) Rabbit mAb #28162

	PRODUCT	APPLICATIONS	REACTIVITY
Metabolism *(cont.)*			
58145S	CD10/Neprilysin (F4P6H) Rabbit mAb	WB, IHC-P, IF-F, IF-IC, FC-FP	M, R
11967T	COX IV (4D11-B3-E8) Mouse mAb	WB, IP, IHC-P, IF-IC	H, M, R, Mk
52150S	ENPP1 (E3R8O) Rabbit mAb	WB, IP, IF-IC	H
10076S	FADS1 (F1D2A) Rabbit mAb	WB, IP	H, M, R
4393T	FTH1 (D1D4) Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk
69219T	Glycolysis/TCA Cycle Molecular Checkpoint Antibody Sampler Kit	-	-
3014T	Insulin (C27C9) Rabbit mAb	IHC-P, IF-F, IF-IC, FC-FP	H, M, R
92271SF	Mitofusin-2 (D2D10) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Hm, Mk
33118S	TBXAS1 (F4C5I) Rabbit mAb	WB, IP	H
Neuroscience			
81944S	Aldolase C (E7I4X) Rabbit mAb	WB	H, M, R
69953S	ANKRD15 (E9I4I) Rabbit mAb	WB	H, M, R
48007S	APP (E8R9O) Mouse mAb	WB, IP	H, M, R
69024SF	Bassoon (D63B6) Rabbit mAb (BSA and Azide Free)	WB, IF-F	M, R, (H)
50049T	CaMKII-α (6G9) Mouse mAb	WB, IHC-P, IF-F, IF-IC	H, M, R
61821SF	CD13/APN (D6V1W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
19771S	CX3CR1 (E9J4I) Rabbit mAb	FC-L	H
61178S	GPR52 (E9D8W) Rabbit mAb	WB, IF-F	H, M
28112SF	HEXB (E9X5S) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC	M, R
76703S	RGS14 (E4N2Q) Rabbit mAb	WB, IF-F	M, R
33900C	PathScan® RP Neurofilament-L Sandwich ELISA Kit	ELISA	H, M, R
59939SF	Tau (GT-38) Mouse mAb (BSA and Azide Free)	IHC-P	H
12885T	Phospho-Tau (Thr181) (D9F4G) Rabbit mAb	WB, IP, IHC-P, IF-F	H, M, R
89956S	TREM2 (E7O7Q) Rabbit mAb	WB, IP, FC-L	M
58844T	Tyrosine Hydroxylase (E2L6M) Rabbit mAb	WB, IHC-LB, IHC-P, IF-F, IF-IC, FC-FP	H, M, R
PI3K / Akt Signaling			
20235S	Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-FP	H, M, R, Hm, Mk, Dm, Z, B, (C, X, Dg, Pg)
12829T	FoxO3a (D19A7) Rabbit mAb	WB, IP, IHC-P, IF-IC, FC-FP	H, M, R
57191SF	FoxO3a (D19A7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
Protein Folding and Trafficking			
76196SF	HSF1 (D3L8I) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, B, Dg, Pg
RTK			
4407T	Phospho-EGF Receptor (Tyr1173) (53A5) Rabbit mAb	WB, IP, IHC-P	H, M, R
23328T	FGF Receptor 2 (D4L2V) Rabbit mAb	WB, IP, IHC-P, IF-IC, FC-FP, FC-L	H, M
4791T	Phospho-HER3/ErbB3 (Tyr1289) (21D3) Rabbit mAb	WB, IP, IHC-P	H, M, (R, Dg)
Ubiquitin and Ubiquitin-like proteins			
60312S	CRBN (F4I7F) Rabbit mAb	WB, IP, IHC-P, IF-F, IF-IC	H, M, R

What's New at CST



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- Cost-savings

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