

New Products from CST—August 2026

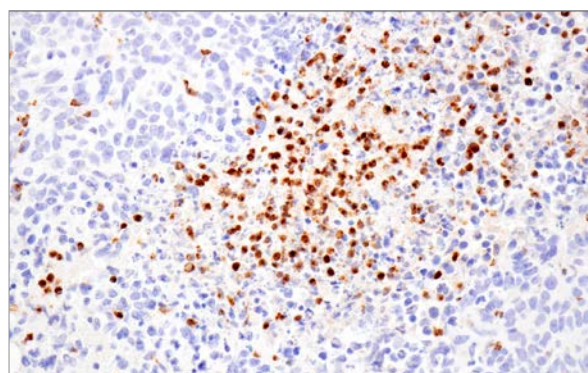
We are continually expanding our portfolio to meet your research needs. Check out the new products released this month.

MMP-9 (F1M6L) Rabbit Monoclonal Antibody #85604

MMP-9: A Key Regulator of Tissue Regeneration and Destruction

MMP-9 is a secreted endopeptidase that degrades the extracellular matrix (ECM). Utilizing substrates such as type IV collagen, it is physiologically involved in processes including wound healing, angiogenesis, and synaptic plasticity. Conversely, dysregulation of MMP-9 expression and activity is known to drive various pathological conditions. In oncology, it promotes invasion, metastasis, and tumor angiogenesis, whereas in cardiovascular and cerebrovascular contexts, it is associated with atherosclerotic plaque rupture and blood-brain barrier (BBB) disruption. Furthermore, MMP-9 is deeply implicated in the progression of chronic inflammatory diseases, such as rheumatoid arthritis and inflammatory bowel disease (IBD), as well as neurodegenerative and psychiatric disorders. Consequently, it not only holds the key to elucidating disease mechanisms but is also widely investigated as a potential therapeutic target and biomarker. Antibody #85604 is suitable for WB, IP, and IHC-P applications using mouse and rat samples.

KEYWORDS: Endopeptidase, Extracellular matrix remodeling, Cancer invasion and metastasis



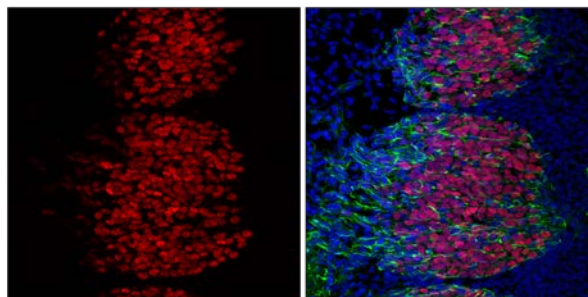
IHC-P: IHC analysis of paraffin-embedded 4T1 syngeneic tumor using #85604.

Islet-1 (F4B7I) Rabbit Monoclonal Antibody #68324

Islet-1: A Key Determinant of Multi-Lineage Cell Fate

Islet-1 (Isl1) is a LIM-homeobox transcription factor that functions as a master regulator driving multi-lineage cell fate determination. Although initially identified as an insulin gene enhancer-binding protein in pancreatic beta-cells, it plays indispensable developmental roles in spinal motor neuron specification as well as the morphogenesis of the pancreas and pituitary gland. Notably, within the cardiovascular system, Islet-1 regulates the maintenance, proliferation, and differentiation of multipotent cardiac progenitor cells in the second heart field (SHF), serving as an essential factor for the structural assembly of the right ventricle and cardiac outflow tract. Mutations or aberrant expression of Islet-1 are linked to the pathogenesis of congenital heart diseases, including Tetralogy of Fallot, as well as diabetes mellitus accompanied by impaired insulin secretion. Furthermore, Islet-1 has garnered significant attention as a histopathological diagnostic biomarker for neuroendocrine tumors (NETs) and as a primary target for myocardial and pancreatic cell reprogramming in regenerative medicine. #68324 is suitable for WB, IP, IF-F, and IF-IC utilizing human, mouse, and rat samples.

KEYWORDS: homeobox transcription factor, cell fate determination, regulation of cardiac morphogenesis



IF-F: Confocal IF analysis of dorsal root ganglia in fixed frozen E11.5 mouse embryo labeled with #68324 (red). Free secondary binding sites were then blocked with Rabbit (DA1E) Monoclonal Antibody IgG Isotype Control #3900 prior to co-labeling with Nestin (E5C7I) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate) #68485 (green) and ProLong Gold Antifade Reagent with DAPI #8961 (blue).



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PRODUCT		APPLICATIONS	REACTIVITY
Cell Biology - Adhesion/Extracellular Matrix			
93525SF	CD103/ITGAE (F2C7B) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P, IHC-F	M
64153S	CD162/PSGL-1 (F8D5X) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	FC-L	H, (Chimp)
40359S	COL18A1 (F3X2X) Rabbit Monoclonal Antibody	WB, IP	H
40359T			
97731S	Endocan/ESM1 (F8M8O) Rabbit Monoclonal Antibody	WB, IP	H
97731T			
99824S	Integrin beta5 (F7H2Y) Rabbit Monoclonal Antibody	WB	H, M, R
99824T			
85604S	MMP-9 (F1M6L) Rabbit Monoclonal Antibody	WB, IP, IHC-P	M, R
85604T			
33966S	Podocin (F8D9E) Rabbit Monoclonal Antibody	WB, IP, IF-F	H, M, R
33966T			
24312S	TACSTD2/TROP2 (F4W4J) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H
59773S	Teneurin-4 (F4O1K) Rabbit Monoclonal Antibody	WB, IP	H, M, R
59773T			
71606S	Vimentin (D21H3) Feline Chimeric Monoclonal Antibody	IHC-P, IF-F, IF-IC	H, M, R, Hm, Mk
71606T			
99003S	Vimentin (D21H3) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R, Hm, Mk
99003T			
Cell Biology - Cell Cycle			
82518S	Cyclin E1 (F9O7Q) Rabbit Monoclonal Antibody	WB, IP, FC-FP	H, Mk
82518T			
Cell Biology - Cytoskeletal			
53417SF	Pan-Keratin (Type II) (F6G1P) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P	H, M, R
57336S	Pan-Keratin MultiMab® Rabbit Monoclonal Antibody mix (Alexa Fluor® 488 Conjugate)	IHC-P	H, M, R
78162S	Pan-Keratin MultiMab® Rabbit Monoclonal Antibody mix (Alexa Fluor® 555 Conjugate)	IHC-P	H, M, R
34207S	Pan-Keratin MultiMab® Rabbit Monoclonal Antibody mix (Alexa Fluor® 647 Conjugate)	IHC-P	H, M, R
34207T			
52203S	Pan-Keratin MultiMab® Feline Chimeric Monoclonal Antibody mix	IHC-P	H, M, R
52203T			
97767S	MAEA (F8S7X) Rabbit Monoclonal Antibody	WB	H, M, R, Mk
97767T			
68880S	Nebulette (F9W5X) Rabbit Monoclonal Antibody	WB, IF-F	M, R
68880T			
82051S	alpha-Smooth Muscle Actin (D4K9N) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H, M, R, Hm, Mk
34566SF	Vav1 (D45G3) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, (Mk)
Cell Biology - Proteostasis			
30340S	USP11 (F5M1I) Rabbit Monoclonal Antibody	WB, IP	H, M, R
30340T			
Cell Biology - RTK-Cell Biology			
92763SF	ROS1 (D4D6) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H
Cell Biology - Vesicle and Protein Trafficking			
32687SF	TSG101 (E6V1X) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R
Complementary Ab - Isotype			
41760S	Mouse (E5Y6Q) Monoclonal Antibody IgG2a Isotype Control (iFluor® 594 Conjugate)	FC-FP	-
Complementary Ab - TAG			
61777S	Myc-Tag (9B11) Mouse Monoclonal Antibody (iFluor® 594 Conjugate)	FC-FP	All
Developmental Biology - DIFFERENTIATION - Transcription Factor			
44100S	FLI1 (F1M3J) Rabbit Monoclonal Antibody	WB, IP, IF-IC, FC-FP	H, M, (R, Hm, C, Dg, Pg, F, GP, Rab)



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PRODUCT		APPLICATIONS	REACTIVITY
Developmental Biology - DIFFERENTIATION - Transcription Factor <i>(cont.)</i>			
28223S	FLI1 (F4P2I) Rabbit Monoclonal Antibody	WB, IP, IF-IC, FC-FP	H, M
28223T			
74208S	GATA-3 (D13C9) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P	H, M ₁ (Mk)
68324S	Islet-1 (F4B7I) Rabbit Monoclonal Antibody	WB, IP, IF-F, IF-IC	H, M, R
68324T			
Developmental Biology - HIPPO			
77625S	VGLL2 (F6L6N) Rabbit Monoclonal Antibody	WB, IP	H, M, R
77625T			
Developmental Biology - WNT			
66121S	SOX4 (F1Q1K) Rabbit Monoclonal Antibody	WB, IP	H, M, R
66121T			
Epigenetics - Histones and Histone Modifications			
94763SF	Phospho-Histone H3 (Ser10) (6G3) Mouse Monoclonal Antibody (BSA and Azide Free)	WB, IF-F, IF-IC, FC-FP	H, M, R
Epigenetics - Nuclear Receptors			
10904SF	CRABP1 (D7F9T) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IF-F, IF-IC	H, M ₁ (R, B)
Epigenetics - Nuclear Structure			
84841S	MAN1 (F6O3J) Rabbit Monoclonal Antibody	WB, IP, IHC-P, IF-IC	H, M, R, Mk
84841T			
Epigenetics - RNA Modifications (Editing, Methylation, PseudoU, Other)			
26906S	RBM15B (F3D1H) Rabbit Monoclonal Antibody	WB	H, M, R, Mk
26906T			
Epigenetics - RNA Processing			
31509S	Musashi (F7K9P) Rabbit Monoclonal Antibody	WB	H, M, R, Mk
31509T			
67267S	Musashi-2 (F9S5R) Rabbit Monoclonal Antibody	WB, IP	H, M, R, Mk
67267T			
Epigenetics - RNA Stability & Decay			
80717S	RNase H1 (F9X8G) Rabbit Monoclonal Antibody	WB, IP, IF-IC	H, Mk
80717T			
Epigenetics - RNA Transport			
47859S	MVP (F4P3M) Rabbit Monoclonal Antibody	WB, IP	H
47859T			
Immunology - Autoimmunity and Inflammation			
36097S	IL-17RA (F9W8W) Rabbit Monoclonal Antibody	WB, FC-FP, FC-L	M
36097T			
Immunology - Cell Autonomous Innate Immunity			
39060S	CD177 (E1V7N) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P	M
44347S	CD177 (E1V7N) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IHC-P	M
61322S	CD177 (E1V7N) Rabbit Monoclonal Antibody (Alexa Fluor® 647 Conjugate)	IHC-P	M
Immunology - Immune Checkpoints and Ligands			
72659SF	CD27 (F3R4G) Rabbit Monoclonal Antibody (BSA and Azide Free)	IHC-P	H
80414SF	Phospho-CD28 (Tyr191) (E5B9Z) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M
30389T	CD200 (E5I9V) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IHC-P	H
25443SF	LILRB4/CD85k (F2P5N) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P	H
50480S	PD-1 (Intracellular Domain) (D4W2J) Feline Chimeric Monoclonal Antibody	IHC-P	H
50480T			
56288S	PD-1 (Intracellular Domain) (D4W2J) Mouse Chimeric Monoclonal Antibody	IHC-P	H
56288T			
98713S	PD-L1 (E1L3N) Feline Chimeric Monoclonal Antibody	IHC-P	H
98713T			



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PRODUCT		APPLICATIONS	REACTIVITY
Immunology - Immune Checkpoints and Ligands <i>(cont.)</i>			
16754S	PD-L1 (E1L3N) Mouse Chimeric Monoclonal Antibody	IHC-P	H
16754T			
95115S	TIM-3 (D5D5R) Feline Chimeric Monoclonal Antibody	IHC-P	H
95115T			
24516S	TIM-3 (D5D5R) Mouse Chimeric Monoclonal Antibody	IHC-P	H
24516T			
Immunology - Jak/Stat Signaling			
66939S	JAK2 (V617F Mutant Specific) (F3W4N) Rabbit Monoclonal Antibody	WB	H
66939T			
Immunology - Lymphocyte Signaling			
79562S	DOK3 (F1M7V) Rabbit Monoclonal Antibody	WB, IP, FC-FP	H, M
79562T			
Immunology - Phenotyping and Functional Markers			
43949S	CD3 epsilon (E4T1B) Feline Chimeric Monoclonal Antibody	IHC-P	M
43949T			
19972S	CD3 epsilon (D7A6E) Feline Chimeric Monoclonal Antibody	IHC-P	H, Mk
19972T			
30099S	CD3 epsilon (D7A6E) Mouse Chimeric Monoclonal Antibody	IHC-P	H, Mk
30099T			
54605S	CD4 (F6R7K) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	IF-F	M, R
48756S	CD4 (F6R7K) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IF-F	M, R
77961SF	CD4 (F6R7K) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IF-F	M, R
83238S	CD16 (D1N9L) Mouse Chimeric Monoclonal Antibody	IHC-P	H, Mk
83238T			
62842SF	CD34 (F8T5S) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB, IHC-P, FC-FP	H, M, R, (Hm, Rb)
29324S	CD45 (Intracellular Domain) (D9M8I) Feline Chimeric Monoclonal Antibody	IHC-P	H, Mk
29324T			
96895S	Granzyme B (D6E9W) Feline Chimeric Monoclonal Antibody	IHC-P	H, M, Mk
96895T			
58262S	Granzyme B (D6E9W) Mouse Chimeric Monoclonal Antibody	IHC-P	H, M, Mk
58262T			
33870S	MHC Class II (I-E alpha) (F8N7J) Rabbit Monoclonal Antibody (Alexa Fluor® 555 Conjugate)	IHC-P	M
Immunology - Tumor Microenvironment			
18090S	IL-2R beta (F2D1R) Rabbit Monoclonal Antibody	WB	M
18090T			
60782S	SUSD6 (F6T9K) Rabbit Monoclonal Antibody	WB, IP	H
60782T			
Metabolism - Autophagy			
75781S	Phospho-SQSTM1/p62 (Ser366) (F8P2O) Rabbit Monoclonal Antibody	WB, IP	H, M, R
75781T			
Metabolism - Biochemical Metabolism and Signaling - Carbohydrates			
97397S	B3GALT6 (F3T1E) Rabbit Monoclonal Antibody	WB	H, M, R
97397T			
Metabolism - Biochemical Metabolism and Signaling - Drugs, Co-factors, Secondary Metabolites & Vitamins			
33984SF	AhR (D5S6H) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, Mk
85012S	S100A12 (F2U8Z) Rabbit Monoclonal Antibody	WB	H
85012T			
Metabolism - Biochemical Metabolism and Signaling - Lipids			
32579S	ACSL1 (F6K6M) Rabbit Monoclonal Antibody	WB, IHC-P, IF-IC, FC-FP	H
32579T			



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Metabolism - Biochemical Metabolism and Signaling - Lipids <i>(cont.)</i>			
89330S	Integrin beta8 (F5B1N) Rabbit Monoclonal Antibody	WB	H, M, R
89330T			
Metabolism - REDOX/Energy Metabolism			
74524S	LDHA (F3T9U) Rabbit Monoclonal Antibody (Alexa Fluor® 488 Conjugate)	FC-FP	H, M, R
19142S	LDHA (F3T9U) Rabbit Monoclonal Antibody (Alexa Fluor® 647 Conjugate)	FC-FP	H, M, R
Motif - Motif			
20869S	Lactyl Lysine (F3GIV) Rabbit mAb	WB	All
20869T			
Neuroscience - Alzheimer's disease			
64845S	CD11b/ITGAM (D6X1N) Rabbit Monoclonal Antibody (Alexa Fluor® 750 Conjugate)	IHC-P	H, Mk
41454SF	Tau (D5D8N) Rabbit Monoclonal Antibody (BSA and Azide Free)	WB	H, M, R
Neuroscience - Neural function (neurite extension, axonal guidance, synaptogenesis, myelination and neuron-glia cell interactions)			
88014S	FLRT3 (F9E5X) Rabbit Monoclonal Antibody	WB, IP, IF-IC, FC-FP	H, M, R
88014T			
Neuroscience - Neurodegeneration: Other			
16316S	Huntingtin (D7F7) Feline Chimeric Monoclonal Antibody	IF-F	H, M, R
16316T			
30812S	Huntingtin (D7F7) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R
30812T			
44961S	Huntingtin (D7F7) Mouse Chimeric Monoclonal Antibody	IF-F	H, M, R
44961T			
55923S	TDP43 (D9R3L) Feline Chimeric Monoclonal Antibody	IF-F	H, M, R
55923T			
73436S	TDP43 (D9R3L) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R
73436T			
95669S	TDP43 (D9R3L) Mouse Chimeric Monoclonal Antibody	IF-F	H, M, R
95669T			
Neuroscience - Post-synapse			
96525S	Neurogranin (E9L8D) Feline Chimeric Monoclonal Antibody	IF-F	H, M, R
96525T			
29584S	Neurogranin (E9L8D) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R
29584T			
42998S	Neurogranin (E9L8D) Mouse Chimeric Monoclonal Antibody	IF-F	H, M, R
42998T			
Neuroscience - Pre-synapse & transmitters			
70467S	CGRP (D5R8F) Feline Chimeric Monoclonal Antibody	IF-F	H, M, R
70467T			
97733S	CGRP (D5R8F) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R
97733T			
41719S	CGRP (D5R8F) Mouse Chimeric Monoclonal Antibody	IF-F	H, M, R
41719T			
24592S	VAMP2 (D6O1A) Feline Chimeric Monoclonal Antibody	IF-F	H, M, R
24592T			
40958S	VAMP2 (D6O1A) Horse Chimeric Monoclonal Antibody	IF-F	H, M, R
40958T			
63202S	VAMP2 (D6O1A) Mouse Chimeric Monoclonal Antibody	IF-F	H, M, R
63202T			
91299S	VAMP5 (F2G5Q) Rabbit Monoclonal Antibody	WB, IP, IF-F, IF-IC	M, R
91299T			

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