



New Products

AUGUST 2024

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

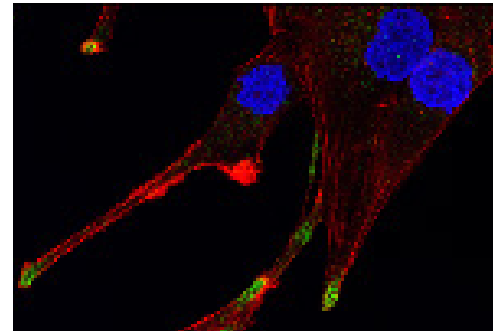
HOT PRODUCTS

AIFM2/FSP1 (F7A3L) Rabbit mAb #51676

A key regulator of ferroptosis:AIFM2/FSP1

Apoptosis-inducing factor mitochondria-associated 2 (AIFM2), also known as AIF-homologous mitochondrion-associated inducer of death (AMID) or p53-responsive gene 3 (PRG3), is a homolog of apoptosis-inducing factor (AIF). Research studies show that it inhibits ferroptosis, a form of cell death caused by iron-dependent lipid peroxidation. Therefore, this protein was named as ferroptosis suppressor protein 1 (FSP1). FSP1 is a coenzyme Q10 (CoQ) oxidoreductase and generates the reduced form of (CoQ), which traps lipid peroxides, leading to the suppression of ferroptosis. Furthermore, inhibition of ferroptosis by FSP1 was shown to be independent of GPX4, another negative regulator of ferroptosis.

KEYWORDS: Cancer, ferroptosis, lipid peroxides



Confocal IF analysis of A-172 cells using #51676 (green), DyLight 650 Phalloidin #12956 (red), and DAPI #4083 (blue).

T-bet/TBX21 (E4I2K) Rabbit mAb (Alexa Fluor® 488 Conjugate) #54677

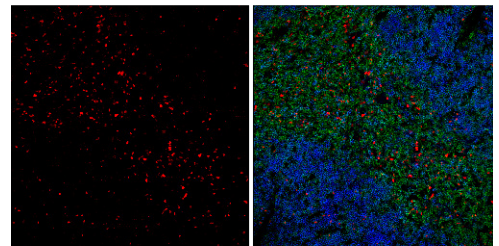
(Alexa Fluor® 555 Conjugate) #97189

(Alexa Fluor® 647 Conjugate) #37835

T-bet/TBX21 is important for Th1 cell fate determination

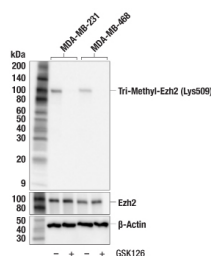
T-box transcription factor 21 (T-bet, TBX21) belongs to the T-box family of transcription factors and is an important regulator of Th1 development and function. T-bet is known to be a master regulator that suppresses commitment to Th17 and Th2 cell lineages by inhibiting RUNX1 and GATA3, while activating the transcription of a series of genes important for Th1 cell function. It has also been reported that T-bet is associated with diseases that have become more familiar in recent years, such as obesity and cancer. #54677, #97189, and #37835 offer flexible support for phenotyping of various immune cells. If you would like to perform more multiplex staining including T-bet, we recommend SignalStar Multiplex IHC.

KEYWORDS: Immunity, Th cell differentiation, cancer, adipose tissue

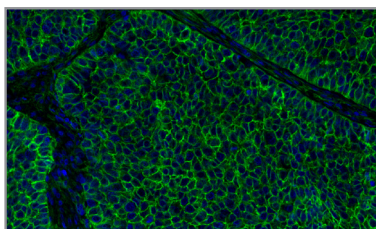


Confocal IF analysis of mouse thymus labeled with #97189 (red), CD8a (2.43) Rat mAb (FITC Conjugate) #35467 (blue pseudocolor), and CD45 (D3F8Q) Rabbit mAb (Alexa Fluor® 647 Conjugate) #81143 (green pseudocolor).

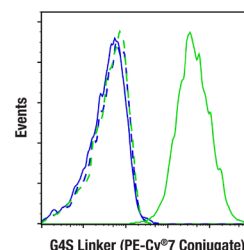




Tri-Methyl-Ezh2 (Lys509) (F1D1Q) Rabbit mAb #9994

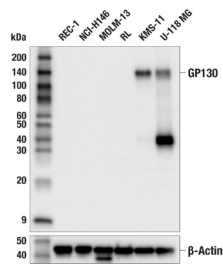


B7-H3 (D9M2L) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate) #39696

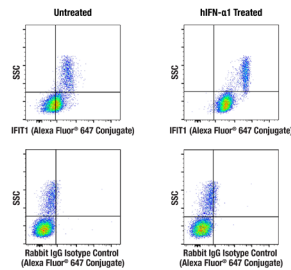


G4S Linker (E7O2V) Rabbit mAb (PE-Cy®7 Conjugate) #17399

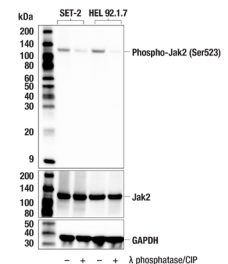
	PRODUCT	APPLICATIONS	REACTIVITY
Adhesion/ECM			
36276S	COL12A1 (F4D4U) Rabbit mAb	WB	H, M
67329S	MMP-13 (E3Q4Y) Rabbit mAb	WB	M
82351SF	Paxillin (E6R6Z) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
49771SF	Syndecan 1 (D4Y7H) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H
Apoptosis			
17471S	Max (E6F6Y) Rabbit mAb	WB, IP, ChIP	H
Autophagy			
34333S	Phospho-Atg13 (Ser355) Matched Antibody Pair	ELISA	H
78780S	Total SQSTM1/p62 Matched Antibody Pair	ELISA	H, Mk
Ca, cAMP and Lipid Signaling			
36721SF	Phospho-PLCγ1 (Tyr783) (D6M9S) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H, M, (R, X, B, Dg)
56184SF	TGM2 (D11A6) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk
Cell Cycle / Checkpoint Control			
67873SF	Cyclin B1 (F7U1O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
99580SF	Cyclin D3 (DCS22) Mouse mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
43640S	DNA Ligase III (F2A1H) Rabbit mAb	WB, IP	H, M, R
86404SF	Phospho-MCM2 (Ser139) (D1Z8X) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Hm, Mk, Dg, (X)
10735SF	Phospho-NPM1 (Ser4) (D19C1) XP® Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H, (M, R, Mk, X, B, Dg)
20009S	PARP2 (F3Z6Z) Rabbit mAb	WB	H, Mk
Chromatin Regulation / Nuclear Function			
10691S	ADA2B (F6G5T) Rabbit mAb	WB	H, M, R, Mk
86520C	PathScan® RP BRD4 Isoform C Sandwich ELISA Kit	ELISA	H
63794SF	CBP (D6C5) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H, M, R, Mk
9994S	Tri-Methyl-Ezh2 (Lys509) (F1D1Q) Rabbit mAb	WB, ChIP	H, M, R, Mk
69163SF	Histone H2A (L88A6) Mouse mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, (C, Dm, Z, Pg)
33291SF	Ubiquitinyl-Histone H2B (Lys120) (D11) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Mk
80697SF	Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R, Mk, (Hm, Dm, X, Z, Pg, Sc, Hr)
36356S	Acetylated Histone H3 Matched Antibody Pair	ELISA	H
70407SF	Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
29672SF	Histone H4 (D2X4V) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk, Dm, Z, (Hm, C, B)
50438SF	HMGBl (D3E5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R, Mk, (C, B, Hr)
94642SF	SirT1 (IF3) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R, Mk
97411S	TAF-Ia (F3E2E) Rabbit mAb	WB, IP	H
Cytoskeletal Signaling			
37001S	ARHGAP29 (F6O5B) Rabbit mAb	WB	H, M, R
48913S	ARPC5 (F5F6V) Rabbit mAb	WB	H, M, R
16303SF	Keratin 7 (D1E4) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H
54922S	MYO10 (F3V7U) Rabbit mAb	WB, IP, IF-IC	H, M, R
20280S	NUP98 (C39A3) Rabbit mAb (Alexa Fluor® 555 Conjugate)	IF-IC	H, M, R, Mk
17758SF	Podoplanin (D9D7) Rabbit mAb (BSA and Azide Free)	WB, FC-L	H
54984S	SNX9 (F9G1M) Rabbit mAb	WB, IP	H, M, R, Mk



GP130 (E1D7K) Rabbit mAb #86384

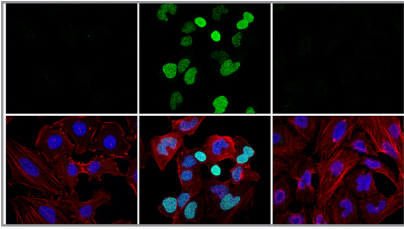


IFIT1 (D2X9Z) Rabbit mAb (Alexa Fluor® 647 Conjugate)
#31819

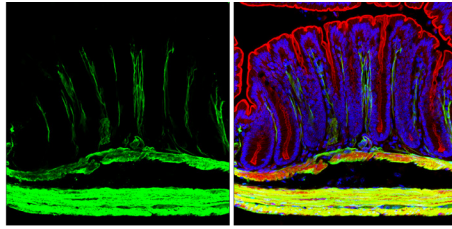


Phospho-Jak2 (Ser523) (F8E8U) Rabbit
mAb #15446

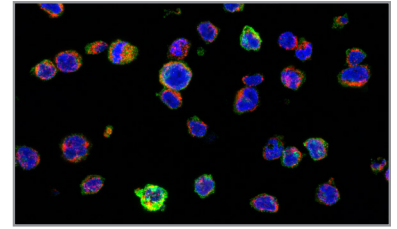
	PRODUCT	APPLICATIONS	REACTIVITY
Developmental Biology			
25816S	FoxK1 (E4D1V) Rabbit mAb	WB, IP, IF-IC	H
55895S	Cleaved Notch1 (Val1744) Matched Antibody Pair	ELISA	H
85676SF	Oct-4A (C52G3) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H
27908S	TCF12/HEB (E8R5E) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	H
60774S	TCF12/HEB (E8R5E) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H
Immunology and Inflammation			
39696S	B7-H3 (D9M2L) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	IHC-P	H
91498S	B7-H3 (D9M2L) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P	H
43710S	CCL3/MIP-1a (F3I3P) Rabbit mAb	WB	H
39809S	CD3ε (F2E3X) Rabbit mAb	WB, IF-F, IF-IC	H
72245S	CD4 (MSVA-004R) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IHC-P	H
40568S	CD4 (MSVA-004R) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IHC-P	H
47369SF	CD22 (F9D1W) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-F	M
69590S	CD33 (F9U6X) Rabbit mAb	WB, IP	H
45469S	CD58 (F1C9B) Rabbit mAb	WB, IHC-P	H
34854S	Total cGAS Matched Antibody Pair	ELISA	H
17399S	G4S Linker (E7O2V) Rabbit mAb (PE-Cy®7 Conjugate)	FC-L	All
74558S	GN4 (E5O7M) Rabbit mAb	WB	H, M
86384S	GP130 (E1D7K) Rabbit mAb	WB, IP, FC-FP	H, M, R
76689S	GP130 (E6X8S) Rabbit mAb	WB, IP, IF-IC, FC-FP	H, M, R, (Hm, B, Dg, Pg, Hr, Rab)
31819S	IFIT1 (D2X9Z) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H
90428SF	IL-17A (D1X7L) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	M, (R)
71383S	IRF-5 (E9I4Z) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H, M
15446S	Phospho-Jak2 (Ser523) (F8E8U) Rabbit mAb	WB, IP	H
62189S	LAMP3/CD208 (F2Q4D) Rabbit mAb	IF-F	M
82632S	c-Maf (E2Q5D) Rabbit mAb (PE Conjugate)	FC-FP	H
66013S	Phospho-NF-κB p65 (Ser536) Matched Antibody Pair	ELISA	H, M
10650S	NLRP6 (E2S8A) Rabbit mAb	WB, IP	H
31169SF	p47phox (F3Y6C) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, IF-IC	H, M, R
60194SF	PD-1 (Pembrolizumab Biosimilar) Human mAb	-	H
57800S	PU.1 (F2D5A) Mouse mAb (PE Conjugate)	FC-FP	M
20251S	PU.1 (E8I8L) Mouse mAb (PE Conjugate)	FC-FP	H
44560SF	SHIP1 (C40G9) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H
55851S	Siglec-7 (F4O1S) Rabbit mAb	WB, IP	H
92082S	Phospho-Stat5 (Tyr694) Matched Antibody Pair	ELISA	H
54677S	T-bet/TBX21 (E4I2K) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-FP	H, M
97189S	T-bet/TBX21 (E4I2K) Rabbit mAb (Alexa Fluor® 555 Conjugate)	IF-F, FC-FP	H, M
37835S	T-bet/TBX21 (E4I2K) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IF-F, FC-FP	H, M
23567S	TRIM7 (E3P2Q) Rabbit mAb	WB	H
53575S	ZNF366 (E5O9G) Rabbit mAb (ChIP Formulated)	ChIP	H



Poly/Mono-ADP Ribose (D9P7Z) Rabbit mAb (Alexa Fluor® 488 Conjugate) #88873

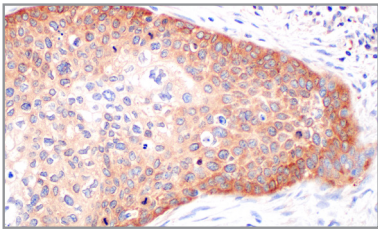


Transgelin/TAGLN (F3B7H) Rabbit mAb #36090

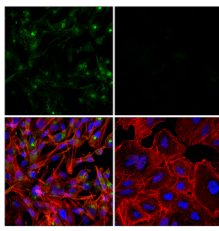


TREM2 (E4F5G) Mouse mAb #29715

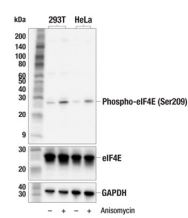
	PRODUCT	APPLICATIONS	REACTIVITY
MAP Kinase Signaling			
24814S	FRA1 (F2C9L) Rabbit mAb	WB, IP, IF-IC	H, M
28801S	FRA1 (F2C9L) Rabbit mAb (IHC Formulated)	IHC-P	H, M
38317SF	PP2C- α (D18C10) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, Mk
Metabolism			
51676S	AIFM2/FSP1 (F7A3L) Rabbit mAb	WB, IF-IC	H
90686SF	ALDH1A1 (D9Q8E) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H
74094S	Total AMPK α Matched Antibody Pair	ELISA	H, M, R, Hm, Mk
43510SF	CA9 (D47G3) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
77693S	CLCA1 (E4Y1J) Rabbit mAb	WB, IP, IHC-P, IF-IC	H
98271S	DELE1 (E9K6O) Rabbit mAb	WB	H
37117S	EPHX2 (F9Z3M) Rabbit mAb	WB, IP	H
64746SF	IGFBP5 (E3H3Z) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H
86078S	Phospho-Insulin Receptor β (Tyr1150/1151) Matched Antibody Pair	ELISA	H, M
99540SF	NKX6.1 (D8O4R) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
15356S	NSDHL (F3P8W) Rabbit mAb	WB	H
97028C	PathScan® RP Phospho-Pyruvate Dehydrogenase α 1 (Ser293) Sandwich ELISA Kit	ELISA	H, M, R, Mk
98956T	Protein Glycosylation Antibody Sampler Kit	-	-
76977S	SPTLC1 (F7Y7S) Rabbit mAb	WB, IP	H
Motif Antibodies			
88873S	Poly/Mono-ADP Ribose (D9P7Z) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC	H, All
Neuroscience			
62996S	ApoE4 Matched Antibody Pair	ELISA	H
71301SF	BACE1 (F4Z7X) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R
44997S	GFAP Matched Antibody Pair	ELISA	H, M, R
56955C	PathScan® RP GFAP Sandwich ELISA Kit	ELISA	H, M, R
33202S	MS4A4A (F2E6F) Rabbit mAb	WB	H
54626SF	SNAP25 (F1A9G) Mouse mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R
79607SF	Tau (E5O2W) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	M, R
87851S	TMEM106B (F4D8C) Rabbit mAb	WB	H, M, R
36090S	Transgelin/TAGLN (F3B7H) Rabbit mAb	WB, IHC-P, IF-F, IF-IC	H, M, R
29715S	TREM2 (E4F5G) Mouse mAb	WB, IF-IC, FC-FP, FC-L	H
95410S	TREM2 (Extracellular Amino-terminal Antigen) Matched Antibody Pair	ELISA	M
17055S	VAMP5 (F9Y8C) Rabbit mAb	WB, IP	H
PI3K / Akt Signaling			
25285SF	DEPTOR/DEPDC6 (D9F5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, R, Mk
62054S	WNK1 (F1O3U) Rabbit mAb	WB, IHC-P, IF-IC	H
Protein Folding and Trafficking			
65072SF	HSP27 (D6W5V) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H
RTK			
20323S	Phospho-CSF-1R/M-CSF-R (panTyr) Matched Antibody Pair	ELISA	H
25814S	DDR2 (E6V2N) Rabbit mAb	WB, IF-IC	H, M, R



WNK1 (F103U) Rabbit mAb #62054



DDR2 (E6V2N) Rabbit mAb #25814



Phospho-eIF4E (Ser209) (F4E5N) Rabbit mAb #90679

	PRODUCT	APPLICATIONS	REACTIVITY
RTK cont.			
65509S	Phospho-FLT3 (panTyr) Matched Antibody Pair	ELISA	H
Translational Control			
47864SF	ADAR1 p150 Isoform (E6U1U) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
52260S	Phospho-eIF2a (Ser51) Matched Antibody Pair	ELISA	H, M
90679S	Phospho-eIF4E (Ser209) (F4E5N) Rabbit mAb	WB, IP	H, M, R
52501SF	eIF4G (C45A4) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk
50436SF	XBP-1s (E8C2Z) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H
67470S	WDR4 (FIT3E) Rabbit mAb	WB, IP	H, Mk
Ubiquitin and Ubiquitin-like proteins			
43562C	PathScan® RP CRBN Sandwich ELISA Kit	ELISA	H, M, R
90190S	OTUD6B (F6K7V) Rabbit mAb	WB, IP	H
Related Products			
71756S	Glu-Glu Tag (F3Z5J) Rabbit mAb	WB, IP, IF-IC	All
45943S	Peptide Desalting C18 StageTip	PTMScan	-
58992S	Peptide Desalting C18 StageTip Adaptor	PTMScan	-

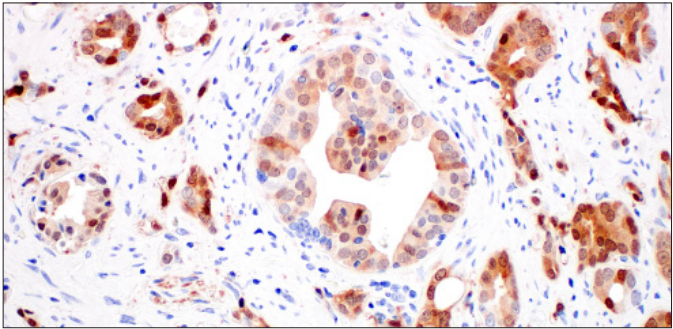
What's New at CST



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>

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