Revision 1					
FosB (5G4 Fluor [®] 488) Rabbit ı Conjuga				
Stor				Orders	877-616-CELL (2355) orders@cellsignal.com
က				Suppor	t: 877-678-TECH (8324
#2023				Web:	info@cellsignal.con cellsignal.con
				3 Trask Lane Danve	ers Massachusetts 01923 USA
or Research Use Only.		_			
Applications: FC-FP	Reactivity: H M R	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniPro #P535	
Product Usage	Apt	olication			Dilution
Information	Flov	w Cytometry (Fixe	d/Permeabilized)		1:50
Storage	torage Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not ali antibody. Protect from light. Do not freeze.				tore at 4°C. Do not aliquot the
Specificity / Sensiti	(both			ugate) detects endogenous I loes not cross-react with oth	evels of total FosB protein er Fos proteins, including c-
Source / Purificatio	sequ			animals with a synthetic pep njugated to Alexa Fluor [®] 488	otide corresponding to the under optimal conditions with
Product Description	hous mAb	e for direct flow cy #2251 reacts with	ytometric analysis of huma	an cells. The unconjugated a osB protein. CST expects th	
Background	antig isofo amin extra stres a tra conta DNA addii extra and Ser2 cells immo expr Dere	en 2 (FRA2) (1). N rms: full-length Fo to acids (1-3). The acellular stimuli, in- ss. Fos proteins dii nscription factor th ain the leucine-zip The various Fos, tion to increased e acellular stimuli ma Thr232 by Erk5 in- 52 and Ser265 by (6). Following gro ediate, but very sh ession persists lor egulated expressio	While most Fos proteins ex psB and a shorter form, Fo e expression of Fos protein cluding growth factors, cyt merize with Jun proteins (or hat binds to TRE/AP-1 eler per motif that mediates dir /Jun heterodimers differ in expression, phosphorylatio ay further increase transcri creases protein stability ar r Erk1/2 increases protein with factor stimulation, exp nort-lived, with protein leve nger, and appreciable leve	xist as a single isoform, the F sB2 (Delta FosB), which lac is is rapidly and transiently in okines, neurotransmitters, p c-Jun, JunB, and JunD) to fo ments and activates transcrip merization and an adjacent b their ability to transactivate a n of Fos proteins by Erk kina ptional activity (4-6). Phosph ind nuclear localization (5). P stability and leads to overex pression of FosB and c-Fos i ls dissipating after several h ls can be detected in asynch 2 can result in neoplastic cell	ks the carboxy-terminal 101 nduced by a variety of olypeptide hormones, and orm Activator Protein-1 (AP-1), ption. Fos and Jun proteins basic domain that binds to AP-1 dependent genes. In ases in response to norylation of c-Fos at Ser32 hosphorylation of FRA1 at pression of FRA1 in cancer n quiescent fibroblasts is ours (7). FRA1 and FRA2
Background Refere	2. Do	obrazanski, P. et a) Histol Histopathol 15, 92 I. (1991) Mol Cell Biol 11, Nathans D. (1991) Cell 64	5470-8.	

- 3. Nakabeppu, Y. and Nathans, D. (1991) Cell 64, 751-9.
 - 4. Rosenberger, S.F. et al. (1999) J Biol Chem 274, 1124-30.
 - 5. Sasaki, T. et al. (2006) Mol Cell 24, 63-75.
 - 6. Basbous, J. et al. (2007) Mol Cell Biol 27, 3936-50.
 - 7. Kovary, K. and Bravo, R. (1991) Mol Cell Biol 11, 2451-9.
 - 8. Kovary, K. and Bravo, R. (1992) Mol Cell Biol 12, 5015-23.
- **Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

1/1/24, 10:03 AM	FosB (5G4) F	Rabbit mAb (Alexa Fluor® 488 Conjugate) (#2023) Datasheet Without Images Cell Signaling T
	F	C-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity	X:	: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse P: Guinea Pig Rab: rabbit All: all species expected
Trademarks and Patents	Th tra co (1) an ma co thi All U. All	ell Signaling Technology is a trademark of Cell Signaling Technology, Inc. his product is provided under an intellectual property license from Life Technologies Corporation. The ansfer of this product is conditioned on the buyer using the purchased product solely in research inducted by the buyer, excluding contract research or any fee for service research, and the buyer must not) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, halysis or screening services, or information in return for compensation on a per-test basis; or (c) anufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its is product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van len Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. S. Patent No. 7,429,487, foreign equivalents, and child patents deriving therefrom. I other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more formation.
Limited Uses	fol co	ccept as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the llowing terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and onditions that are in addition to, or different from, those contained herein, unless separately accepted in riting by a legally authorized representative of CST, are rejected and are of no force or effect.
	ap CL tha en the pu ott ott en the co na Pr or	roducts are labeled with For Research Use Only or a similar labeling statement and have not been oproved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose, ustomer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner at conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the nd-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or erapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial irpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or herwise transfer or make available any Product to any third party, whether alone or in combination with her materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse ngineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of e Products, or use the Products for the purpose of developing any products or services that would impete with CST products or services, (c) not alter or remove from the Products any trademarks, trade ames, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST oduct Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service similar agreement with respect to any third party products or services used by Customer in connection th the Products.