#

## IRF-4 (E8H3S) XP<sup>®</sup> Rabbit mAb



Orders:877-616-CELL (2355)<br/>orders@cellsignal.comSupport:877-678-TECH (8324)Web:info@cellsignal.com<br/>cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP, IHC-Bond, IHC-P, FC-FP	Reactivity: H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 51	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q15306	Entrez-Gene Id: 3662
Product Usage Information Storage		Application Western Blotting Immunoprecipitation IHC Leica Bond Immunohistochemistry Flow Cytometry (Fixed/ Supplied in 10 mM sod	Permeabilized)	) 150 mM NaCl 100 uo	<b>Dilutio</b> 1:1000 1:100 1:50 - 1 1:50 - 1 1:200 -	:200 :200 1:800
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i> For a carrier free (BSA and azide free) version of this product see product #56471.				
Specificity/Sensitivity		IRF-4 (E8H3S) XP $^{ extsf{8}}$ Rabbit mAb recognizes endogenous levels of total IRF-4 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to full- length human IRF-4 protein.				
Background		Jak/Stat pathway to reg infection (1). IRFs play a development, cell grow IRF-1, IRF-2, IRF-9/ISGF proteins share homolo transcription through in	ulate interferon (I an important role i th, and susceptibi 3γ, IRF-3, IRF-4 (Pig gy in their amino-t nteractions with pi	rise a family of transcrip FN) and IFN-inducible ge n pathogen defense, au lity to transformation. Tl b/LSIRF/ICSAT), IRF-5, IRI erminal DNA-binding do oteins that share simila consensus sequences ()	ene expression in re toimmunity, lymph he IRF family includ F-6, IRF-7, and IRF-8 pmains. IRF family n r DNA-binding moti	esponse to viral ocyte es nine members: /ICSBP. All IRF nembers regulate fs, such as IFN-
		of lymphoid regulation member of the ETS fam characterized as a lymp was identified in activa (ICSAT), and it was show of B cell development a mimetic stimuli such as deficient in IRF-4 show	(3-5). First, IRF-4 (l nily, and to regulat bhoid-specific men ted T cells as a fact wn to repress gene ind in mature T cel concavalin A, CD normal distributio d lymphadenopath	groups and demonstrat Pip) was found to associ- e the expression of B-ce aber of the IRF family (LS cor that binds to the pro activation induced by II ls, and is inducible in pr B crosslinking, anti-IgM a n of B and T lymphocyte by, suggesting a role for	ate with PU.1, a her Il specific genes (3). SIRF) able to bind to moter of the interle FN (5). IRF-4 is expro imary lymphocytes and PMA treatment es at 4 to 5 weeks, b	natopoietic specific Second, it was ISRE (4). Third, it wkin-5 gene essed in all stages by antigen (4,5). Mice ut later develop
Background Re	ferences	1. Taniguchi, T. et al. (20 2. Honda, K. and Tanigu 3. Eisenbeis, C.F. et al. ( 4. Matsuyama, T. et al. 1 5. Yamagata, T. et al. (1 6. Mittrücker, H.W. et al	uchi, T. (2006) Nat ( 1995) Genes Dev 9 (1995) Nucleic Acio 996) Mol Cell Biol	Rev Immunol 6, 644-58. , 1377-87. <i>Is Res</i> 23, 2127-36. 16, 1283-94.		
Species Reactiv	vity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted haking, overnight.	primary antibody ir	1 5% w/v BSA, 1X

Applications Key	W: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized)				
Cross-Reactivity Key	H: Human M: Mouse				
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
	Alexa Fluor is a registered trademark of Life Technologies Corporation.				
	KARPAS cell line source: Dr. Abraham Karpas at the University of Cambridge.				
	All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.				
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.				
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purpose, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.				