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Phospho-Stat4 (Tyr693) (D2E4) Rabbit mAb (PE Conjugate)

Applications: FC-FP	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #Q14765	Entrez-Gene Id: 6775	
Product Usage Information	Арр	olication			Dilution	
	Flov	v Cytometry (Fixe	d/Permeabilized)		1:50	
Storage	Supp antib	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.				
Specificity / Sensitiv	ity Phos prote	Phospho-Stat4 (Tyr693) (D2E4) Rabbit mAb (PE Conjugate) recognizes endogenous levels of Stat4 protein only when phosphorylated at Tyr693.				
Species predicted to react based on 100% sequence homology	Mous ó	Mouse, Rat, Monkey, Pig				
Source / Purification	Mono resid	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr693 of human Stat4 protein.				
Product Description	This flow react	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Phospho-Stat4 (Tyr693) (D2E4) Rabbit mAb #4134.				
Background	The (1). F prote activ deter well a prede the n	Jak-Stat signaling Receptor-mediated ins, resulting in thation of transcripti mined, in part, by as by the combina ominantly express nediator of IL-12 r	pathway is utilized by a large in d tyrosine phosphorylation of Ju- neir nuclear translocation, bindi ion. The remarkable range and the tissue-specific expression atorial coupling of various Stat sed in the spleen, thymus, and esponses (3-8). Activation of S	number of cytokines, growth factor ak family members triggers phosp ng to specific DNA elements, and specificity of responses regulated of different cytokine receptors, Jal members to different receptors (2). testis and has been most extensiv tat4 is associated with phosphoryla	s, and hormones torylation of Stat subsequent by the Stats is (s, and Stats, as . Stat4 is ely investigated as ation at Tyr693 (9).	
Background Referer	1. Da 2. Le 3. Zh 4. Ya 5. Ja 6. Ba 7. Th 8. Ka 9. Vis	arnell, J.E. et al. (1 onard, W.J. and C ong, Z. et al. (199 mamoto, K. et al. cobson, N.G. et a acon, C.M. et al. (2 ierfelder, W.E. et plan, M.H. et al. (20 sconti, R. et al. (20	1994) Science 264, 1415-1421. D'Shea, J.J. (1998) Annu. Rev. O4) Proc. Natl. Acad. Sci. USA 9 (1994) Mol. Cell Biol. 14, 4342 I. (1995) J. Exp. Med. 181, 175 1995) Proc. Natl. Acad. Sci. US al. (1996) Nature 382, 171-174 (1996) Nature 382, 174-177. D00) Blood 96, 1844-52.	Immunol. 16, 293-322. 91, 4806-4810. 2-4349. 55-1762. SA 92, 7307-7311. I.		
Species Reactivity	Speci	es reactivity is de	termined by testing in at least c	one approved application (e.g., we	stern blot).	
Applications Key	FC-F	FC-FP: Flow Cytometry (Fixed/Permeabilized)				
Cross-Reactivity Ke	y H: hu X: Xe GP: G	man M: mouse R : nopus Z: zebrafis Suinea Pig Rab : ra	: rat Hm: hamster Mk: monkey h B: bovine Dg: dog Pg: pig S abbit All: all species expected	v Vir: virus Mi: mink C: chicken Dm c: S. cerevisiae Ce: C. elegans Hr	: D. melanogaster : horse	

/24, 2.05114 1103	mo-state (191095) (bzze) Rabbit mAb (12 conjugate) (#15225) batasneet without images cell sign
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