e at -20C	IFN-γ (3F1E3) Mouse mAb		Cell Signaling TECHNOLOGY®	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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For Research Use Only.	Not for Use in Diagnostic Procedures.

Applications: Re WB, IP, E-P		<b>ensitivity:</b> ecombinant protein	<b>MW (kDa):</b> 17	Source/Isotype: Mouse IgG1	UniProt ID: #P01579	Entrez-Gene Id: 3458		
Product Usage Information	Applicat			Dilution				
	Western	0			1:1000			
		precipitation ELISA (DELFIA)			1:50 1:100			
		,						
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivit	<b>γ</b> IFN-γ (3F	IFN-y (3F1E3) Mouse mAb detects recombinant human IFN-y.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with Ni-NTA purified recombinant human IFN-y expressed in <i>E. Coli</i> . Antibodies were prepared from ascites.						
Background	activity of antigen pu by T lymp presentati approxima due to its promotes induces a Stat1 (3). increased inactivatir IFN-y, als cells (4) a	innate immune resenting cells ( hocytes, increas ion (1). Due to d ate molecular we induction of PKI dimerization of conformational The critical role I susceptibility to ng mutations in <i>I</i> so known as type	cells, such as r APCs) promote sing class I and lifferences in th eights of 25, 20 R and other reg the receptor co change in rece of IFN-γ in am pathogen infe <i>FNGR1</i> or <i>IFN</i> e II interferon, is fects on variou	and adaptive immune re macrophages and NK ce es cell-mediated adaptive I class II MHC expression e degree of glycosylation 0, and 15.5 kDa by SDS- gulatory proteins. Binding omplexes to form the (IF eptor intracellular domain plification of immune sur- ction by IFN-y or IFNGF <i>GR2</i> . IFN-y also appear s produced mainly in act is cells of the immune sy s of IFN-y.	elis (1,2). IFN-y product e immunity by inducing n, and enhancing pept n, there are three form PAGE (5). The anti-vir g of IFN-y to the IFNGF NGR1/IFNGR2) <sub>2</sub> -IFN- ns and signaling involve veillance and function the knockout mice and in s to have a role in athe ivated T lymphocytes a	tion by NK cells and IFN-y production ide antigen s of IFN-y, with al activity of IFN-y is R1/IFNGR2 complex y dimer. Binding es Jak1, Jak2, and is supported by humans with prosclerosis (4).		
Background Referenc	2. Martine 3. Kotenk 4. McLare 5. Kelker,	<ol> <li>Schroder, K. et al. (2004) J Leukoc Biol 75, 163-89.</li> <li>Martinez, F.O. et al. (2009) Annu Rev Immunol 27, 451-83.</li> <li>Kotenko, S.V. et al. (1995) J Biol Chem 270, 20915-21.</li> <li>McLaren, J.E. and Ramji, D.P. (2009) Cytokine Growth Factor Rev 20, 125-35.</li> <li>Kelker, H.C. et al. (1984) J Biol Chem 259, 4301-4.</li> <li>Young, H.A. and Hardy, K.J. (1995) J Leukoc Biol 58, 373-81.</li> </ol>						
Species Reactivity	Species re	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WB: West	tern Blotting IP:	Immunoprecipi	itation <b>E-P:</b> Peptide ELIS	SA (DELFIA)			
Cross-Reactivity Key	X: Xenopu	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						

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Limited Uses

IFN-γ (3F1E3) Mouse mAb (#3159) Datasheet Without Images Cell Signaling Technology

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