#73671 Store at -20C

IFN-β1 (D1D7G) Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 19, 21	Source/Isotype: Rabbit IgG	UniProt ID: #P01574	Entrez-Gene Id: 3456	
Product Usage	Арј	olication		Dilution			
Information	We	Western Blotting			1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sens	sitivity IFN-	IFN-β1 (D1D7G) Rabbit mAb recognizes endogenous levels of total IFN-β1 protein.					
Source / Purifica	tion Mon	Monoclonal antibody is produced by immunizing animals with recombinant human IFN-β1 protein.					
Background	throu patte of ac hete com	The type I interferon (IFN) family includes IFN- β 1 and IFN- α 1 through IFN- α 13 in humans and IFN- α 1 through IFN- α 14 in mice. Type I IFN is produced following detection of pathogen-associated molecular patterns (PAMPs) and is important for induction of antiviral genes, activation of dendritic cells, and initiation of adaptive immunity (1, 2). Type I IFNs signal through the IFN alpha receptor (IFNAR), which is a heterodimer composed of IFNAR1 and IFNAR2. Activation of IFNAR leads to formation of the nuclear complex IFN-stimulated gene factor 3 (ISGF3), which consists of STAT1, STAT2, and IRF-9 (3, 4). ISGF3 binds to IFN-stimulated response elements (ISREs) to initiate transcription of interferon-stimulated genes (3).					
Background Ref	2. lva 3. Le	 Paludan, S.R. and Bowie, A.G. (2013) <i>Immunity</i> 38, 870-80. Ivashkiv, L.B. and Donlin, L.T. (2014) <i>Nat Rev Immunol</i> 14, 36-49. Levy, D.E. et al. (1989) <i>Genes Dev</i> 3, 1362-71. Qureshi, S.A. et al. (1995) <i>Proc Natl Acad Sci U S A</i> 92, 3829-33. 					

Species Reactivity

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

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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