

IFNG

Rabbit anti-human IFN- γ pAb

Catalog No.	CPI010	Quantity:	500 μ g
Alternate Names:	IFG, IFI, interferon gamma		
Description:	The polyclonal antibody recognizes human Interferon gamma (IFN- γ), a soluble cytokine that is a member of the type II interferon class. The active protein is a homodimer that binds to the IFN- γ receptor which triggers a cellular response to viral and microbial infections. IFN- γ is produced predominantly by natural killer (NK) and NKT cells and by CD4 and CD8 effector T cells once antigen-specific immunity develops.		
Gene ID:	3458		
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/mL solution.		
Specificity:	Neutralizes both natural and recombinant Human IFN- γ .		
Cross-Reactivity:	High cross-reactivity with rhesus macaque IFN- γ .		
Host:	Rabbit		
Isotype:	Ig		
Immunogen:	Recombinant human IFN- γ (<i>E. coli</i> -derived)		
Activity:	$\geq 10^4$ Neutralizing units/mg protein. One Neutralizing Unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant Human IFN- γ (1 Unit = ~50 pg of pure Human IFN- γ).		
Formulation:	Lyophilized and vacuum-packed from a sterile filtered solution containing 500 μ L PBS + 125 mM trehalose.		
Purification:	Antibodies were sequentially purified by ammonium sulfate precipitation and protein A affinity chromatography.		
Reconstitution:	Dissolve the contents of the vial by injection of 500 μ L sterile distilled water.		
Applications:	ELISA, ELISPOT, Immunohistochemistry, <i>In vitro</i> Neutralization, Intracellular Flow Cytometry, Western Blot		
Application Notes:	The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Lyophilized product is stable for one year at 2-4 °C. Reconstituted antibody is stable for one month at 2-4 °C. Add 0.02% sodium azide to prevent bacterial growth. Avoid repeated freeze-thaw cycles.		
Expiration:	October 2020		

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