

## IFNG

### Rabbit anti-human IFN- $\gamma$ pAb

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

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