

IFNG

Mouse Anti-Human Interferon Gamma (Clone MD-1) mAb

Catalog No.	CMI015	Quantity:	500 µg
Alternate Names:	IFN-gamma, Immune interferon		
Description:	The monoclonal antibody recognizes and neutralizes human Interferon gamma (IFN-γ). IFN-γ is a soluble cytokine, type II interferon which is secreted by innate and adaptive immune cells. The active protein is a homodimer that binds to the IFN-γ receptor, which triggers a cellular response to viral and microbial infections.		
Gene ID:	3458		
UniProt ID:	P01579		
Specificity:	This antibody neutralizes native and recombinant human and monkey IFN-γ (chimpanzee and rhesus macaque) <i>in vitro</i> and <i>in vivo</i> .		
Source:	Produced <i>in vitro</i> using serum-free medium.		
Host:	Mouse		
Isotype:	IgG1		
Clone:	MD-1		
Purification:	Ion exchange chromatography		
Formulation:	Lyophilized from sterile-filtered PBS containing 125 mM Trehalose		
Reconstitution:	Centrifuge vial briefly before opening. Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended). Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Quantitation:	$E^{0.1\%}_{280\text{ nm}} = 1.4$ for a 1 mg/ml solution.		
Cross-Reactivity:	There is no reactivity with mouse and rat IFN-γ or human IFN-alpha and -beta.		
Applications:	Neutralization (<i>in vivo</i> and <i>in vitro</i>), ELISPOT, ELISA, IHC-F, Intracellular FC, Western Blot, Luminex Technology		
Application Notes:	Neutralizing activity is 15,000 neutralizing U/mg protein. One neutralizing unit is defined as the total amount of antibody sufficient for neutralizing one anti-viral unit of human IFN-γ as calibrated against NIH standard Gg 23-901-530.		
Storage & Stability:	Lyophilized product is stable for at least one year at 2-8°C. After reconstitution, the contents can be safely stored at 2-8°C for one month or for one year in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

