

IFNG

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

Catalog No.	CMI015	Quantity:	500 µg
Alternate Names:	IFN-γ, IFG, IFI		
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		
UniProtKB:	P01579		
Specificity:	The antibody recognizes native and recombinant human and monkey IFN-γ		
Conjugate:	Unconjugated		
Host:	Mouse		
Isotype:	IgG1		
Clone:	MD-1		
Source:	Produced <i>in vitro</i> using serum-free medium.		
Purification:	Ion exchange chromatography		
Formulation:	Lyophilized from a sterile filtered solution in 500 µL PBS, 125 mM Trehalose		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 500 µL sterile distilled water.		
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/mL solution.		
Cross-Reactivity:	There is no cross-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, Immunohistochemistry, Intracellular Staining, Western Blot, Luminex Technology		
Application Notes:	Antibody 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:	Store at 2-8 °C for up to one year. After reconstitution, store 2-8 °C for up to one month or in working aliquots at -20 °C for up to one year. Avoid repeated freeze-thaw cycles.		

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