

Product datasheet for **TA352731**

Interferon gamma (IFNG) Mouse Monoclonal Antibody [Clone ID: MD-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MD-1
Recommended Dilution:	ELISA, ELISPOT, Immunohistochemistry
Reactivity:	Human, Macaque
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	IFN-gamma
Formulation:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Concentration:	lot specific
Purification:	Ion exchange chromatography.
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16.7 kDa
Gene Name:	interferon, gamma
Database Link:	NP_000610 Entrez Gene 3458 Human P01579



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Background:	The monoclonal antibody to human IFN- γ (clone MD-1) was first described in 1985. It has shown to neutralize the antiviral activity of both natural and recombinant human IFN- γ and in a Western Blot the antibody reacts with the 20 kDa and 25 kDa polypeptides present in natural human IFN- γ (van der Meide P.H. et al. 1985). The MD-1 antibody has been described as useful in a sandwich ELISA (Wassenaar A. et al. 1995, Wierenga E.A. et al. 1990 and Yazdanbakhsh M et al. 1993). Further, the antibody has proven to cross react with rhesus macaque IFN- γ and can be used for immunohistochemical staining of frozen tissues (Wassenaar A. et al. 1995 and Kap Y. et al. 2009). The MD-1 antibody has been reported for use in intracellular flow cytometric analysis (Hamann D. et al. 1996). Other available formats: unconjugated and FITC labeled.
Synonyms:	IFG; IFI
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Allograft rejection, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Proteasome, Regulation of autophagy, Systemic lupus erythematosus, T cell receptor signaling pathway, TGF-beta signaling pathway, Type I diabetes mellitus