

Product datasheet for **TA352730**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MD-1
Recommended Dilution:	ELISA, ELISPOT, Flow cytometry, Immunohistochemistry, Neutralization assay, Western Blot
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:	Unconjugated
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 and in ELISPOT assays (Meyaard L. et al. 1996, Shen H. et al. 2013, Wassenaar A. et al. 1995 and Wierenga E.A. et al. 1990). Further, the antibody has proven to cross react with chimpanzee and rhesus macaque IFN- γ and can be used for immunohistochemical staining of frozen tissues (Jonker M. et al. 2013 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) and in Luminex systems (Giavedoni L.D. et al. 2005). Other available formats: biotin labeled 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