

## Product datasheet for **TA352733**

### Interferon gamma (IFNG) Mouse Monoclonal Antibody [Clone ID: MD-2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MD-2
Recommended Dilution:	ELISA, Immunohistochemistry, 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:	<a href="#">NP_000610</a> <a href="#">Entrez Gene 3458 Human P01579</a>

**Background:** The monoclonal antibody to human IFN- $\gamma$  (clone MD-2) was first described in 1985. It has shown to binds with high affinity to both natural and recombinant human IFN- $\gamma$  but does not neutralize the antiviral bioactivity of IFN- $\gamma$  in vitro. In a Western Blot the antibody reacts with the 20 kDa and 25 kDa polypeptides present in natural human IFN- $\gamma$  (van der Meide P.H. et al. 1985). The MD-2 antibody has been described as useful in a sandwich ELISA (van Dissel J.T. et al. 2011, Wassenaar A. et al. 1995 and Wierenga E.A. et al. 1990). Further, the antibody has proven to cross react with rhesus macaque, cynomolgus monkey and marmoset IFN- $\gamma$  and can be used for immunohistochemical staining of frozen tissues (Kap Y. et al. 2009).

**Synonyms:** IFG; IFI



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**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