

## Product datasheet for **TA352756**

### 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:	Macaque, Monkey, Human, Chimpanzee
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:	<a href="#">NP_000610</a> <a href="#">Entrez Gene 574282 Monkey</a> <a href="#">Entrez Gene 3458 Human</a> <a href="#">P01579</a>

**Background:** The neutralizing monoclonal antibody to monkey IFN- $\gamma$  (clone MD-1) was first described in 1985. The MD-1 antibody can be used in a sandwich ELISA and in ELISPOT assays (Auriscchio L. et al. 2007, Koopman G. et al. 2008, Mäkitalo B. et al. 2002 and van der Meide P.H. et al. 1995). Further, the antibody has been described in immunohistochemical staining of frozen tissues of marmosets (Villoslada P. et al. 2000) and in intracellular flow cytometric analysis (Hamann D. et al. 1996). The MD-1 antibody has been reported to cross react with rhesus macaque, pig-tailed macaque, cynomolgus monkey, baboon and African green monkey IFN- $\gamma$  and can be used in Luminex systems (Giavedoni L.D. 2005).

**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