

Product datasheet for **AM09167PU-N**

Interferon gamma (IFNG) Mouse Monoclonal Antibody [Clone ID: 315]

Product data:

Product Type:	Primary Antibodies
Clone Name:	315
Applications:	ELISA
Recommended Dilution:	ELISA: This IFN gamma antibody can be used as a Capture Antibody in Sandwich ELISA applications for Human IFN-gamma Detection in combination with a monoclonal Tracer/Detection antibody (HRP-conjugated, Cat#AM09176HR-N). <i>Suggested Capture Coating Dose:</i> 0.3 µg/well. <i>Substrate:</i> TMB. If the above suggested conditions are followed approximately 13.1 pg/mL of IFN-gamma in serum/plasma or 7.5 pg/ml of IFN-gamma in cell medium/urine can be detected with an assay range of 0-1600 pg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human Interferon gamma (IFN gamma).
Specificity:	This antibody reacts with natural and recombinant Human IFN-gamma.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distilled water is recommended and to adjust the final concentration to 1.00 mg/ml
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon, gamma



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Database Link: [Entrez Gene 3458 Human P01579](#)

Background: Mammalian Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.

Synonyms: IFN-gamma, gamma IFN

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