OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM20853PU-N

Interferon gamma (IFNG) Mouse Monoclonal Antibody [Clone ID: 3F1E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3F1E3
Applications:	ELISA, WB
Recommended Dilution:	**ELISA.** **Western blot:** 1/500-1/1,000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Ni-NTA purified recombinant human IFN-γ expressed in E. Coli strain BL21 (DE3)
Specificity:	This antibody recognizes Recombinant IFNG / Interferon gamma Western Blot and ELISA. Other species not tested.
Formulation:	State: Aff - Purified State: Liquid purified IgG fraction
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon, gamma
Database Link:	Entrez Gene 3458 Human P01579

View online »

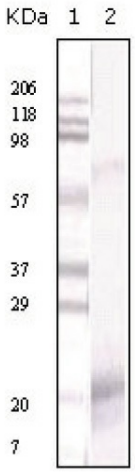
Background: Interferon-γ (IFN-γ) is a pro-inflammatory cytokine that is central in host resistance to infection. It is mainly produced by natural killer cells and CD4+ and CD8+ T cells, its receptors are found on nearly all cells, where it activates diverse responses that enable potential host cells to prevent invasive infection by bacteria, parasites and viruses. Takayanagi et al. (2000) demonstrated that IFN-γ strongly suppresses osteoclastogenesis by interfering with the RANKL (602642)-RANK (603499) signaling pathway. Tsubota et al. (1999) reported that this upregulation in Sjogren syndrome patients may be controlled by interferon-gamma through the activation of transcription factor NFKB.

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

Product images:



Western Blot analysis using anti-Human IFNG Monoclonal Antibody against Truncated IFNG Recombinant protein.