

Datasheet for ABIN966336

anti-Interferon gamma antibody[Go to Product page](#)**1** Publication

Overview

Quantity:	0.1 mg
Target:	Interferon gamma (IFNG)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified recombinant human IFN-gamma expressed in E. Coli strain BL21 (DE3)
Purification:	Antibodies are purified by protein A affinity chromatography

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFN- γ (IFNG Products)
Background:	Interferon-gamma (IFN-gamma) 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-gamma strongly suppresses osteoclastogenesis by

Target Details

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.

Gene ID: 3458

Pathways: [Interferon-gamma Pathway](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Protein targeting to Nucleus](#), [Autophagy](#)

Application Details

Application Notes: Dilution: Western Blot: 1:500-1,000
ELISA: Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Publications

Product cited in: Tsubota, Fukagawa, Fujihara, Shimmura, Saito, Saito, Takeuchi: "Regulation of human leukocyte antigen expression in human conjunctival epithelium." in: **Investigative ophthalmology & visual science**, Vol. 40, Issue 1, pp. 28-34, (1999) ([PubMed](#)).