

Product datasheet for PP033P2

Ifng Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	<p>Sandwich ELISA: To detect Rat IFN-γ by sandwich ELISA (using 100 μl/well antibody solution) a concentration of 0.5-2.0 μg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Rat IFN-γ (Cat.-No) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat IFN-γ.</p> <p>Western blot: To detect Rat IFN-γ by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 μg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IFN-γ a is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p>Neutralisation: To yield one-half maximal inhibition [ND₅₀] of the biological activity of Rat IFN-γ (0.3 ng/ml), a concentration of 60.0-65.0 ng/ml of this antibody is required.</p> <p>Immunohistochemistry: Use 1 μg/ml as a starting dilution. Antigen retrieval may be necessary for paraffin sections.</p>
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly purified E.coli derived recombinant Rat Interferon gamma (Cat.-No PA036)
Specificity:	This antibody recognises Rat Interferon gamma.
Formulation:	<p>PBS, pH 7.2 without preservatives.</p> <p>State: Aff - Purified</p> <p>State: Lyophilized purified Ig fraction.</p>
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Rat IFN- γ matrix.
Conjugation:	Unconjugated
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>Avoid repeated freezing and thawing.</p>



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Stability: Shelf life: one year from despatch.

Gene Name: interferon gamma

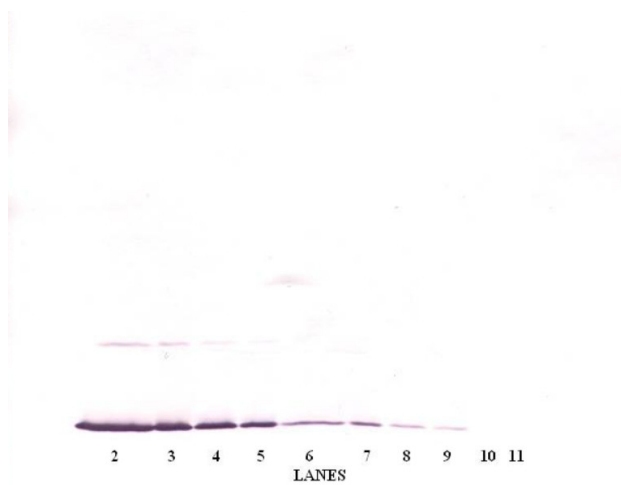
Database Link: [Entrez Gene 25712 Rat P01581](#)

Background: 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.

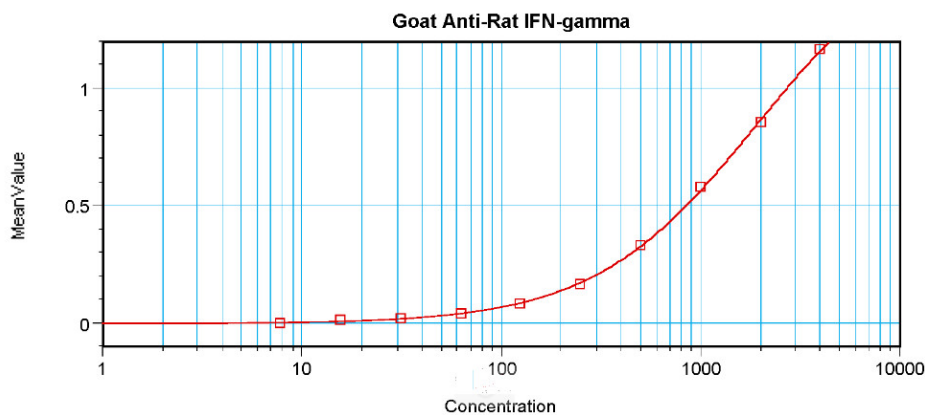
Synonyms: IFN-gamma, gamma IFN

Note: Centrifuge vial prior to opening!

Product images:



Western Blot unreduced using PP033P IFNG / Interferon gamma



Sandwich ELISA using PP033P IFNG / Interferon gamma