

## Product datasheet for PP004P2

### Ifng Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<p><b>Neutralization:</b> To yield one-half maximal inhibition [ND50] of the biological activity of Murine IFN-gamma (1.00 ng/ml), a concentration of 0.05-0.1 µg/ml of this antibody is required.</p> <p><b>Sandwich ELISA:</b> To detect Mouse IFN-gamma 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-Murine IFN-gamma (<i>Cat.-No</i> PP004B1 or PP004B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant mIFN-gamma.</p> <p><b>Western Blot:</b> To detect Mouse IFN-gamma 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 Mouse IFN-gamma is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Murine IFN-gamma ( <i>Cat.-No</i> PA007)
Specificity:	Detects Mouse Interferon gamma (IFNγ). Other species not tested.
Formulation:	PBS, pH 7.2 without additives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Murine IFN-gamma matrix
Conjugation:	Unconjugated
Storage:	Can be stored lyophilized at 2-8°C for 1 month or at -20°C long term.



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<b>Stability:</b>	Shelf life: one year from despatch. After reconstitution store the antibody undiluted at 2-8°C for 2 weeks or (in aliquots) at -20°C for up to 6 months. Avoid repeated freezing and thawing!
<b>Gene Name:</b>	interferon gamma
<b>Database Link:</b>	<a href="#">Entrez Gene 15978 Mouse P01580</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	IFN-gamma, gamma IFN