



Anti-IFNG polyclonal antibody (CPBT-66974RC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognizes chicken Interferon gamma (chIFN-gamma). Original studies investigating the properties of chicken Interferon (chIFN), revealed properties similar to mammalian IFN type I (IFN1), and it has since become apparent that there are at least three distinct chicken interferon proteins, designated as chIFN-alpha, chIFN-beta and chIFN-gamma. chIFN-gamma was first identified, when supernatant from chicken spleen cells stimulated with concanavalin A (ConA), displayed macrophage-activating factor (MAF) activity - the principle function of mammalian type II IFN-gamma. Several independent studies have since supported the existence of this chicken homolog, by the cloning of IFN-gamma cDNA from activated chicken T cells and demonstrating that recombinant chicken IFN-gamma strongly upregulates the expression of MHC class II and iNOS genes. It can be used to neutralize chIFN-gamma activity and to discriminate the antiviral activity of chIFN-gamma from that of chIFN-alpha and chIFN-beta. Western Blotting detects a band of approximately 18 kDa.

Specificity IFN GAMMA

Immunogen Recombinant chicken Interferon Gamma

Isotype IgG

Source/Host Rabbit

Species Reactivity Chicken

Conjugate Unconjugated

Applications ELISA; FA; WB

Format Purified IgG - liquid

Size 500 µg

Preservative None

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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| Gene Name | IFNG interferon, gamma [Gallus gallus (chicken)] |
| Official Symbol | IFNG |
| Synonyms | IFNG; interferon, gamma; interferon gamma; IFN-gamma; interferon-gama; Interferon-gamma level; IFN GAMMA; |
| Entrez Gene ID | 396054 |
| Protein Refseq | NP_990480.1 |
| UniProt ID | P49708 |
| Chromosome Location | 1; 1 248.1 cM |
| Pathway | Cytokine-cytokine receptor interaction; Herpes simplex infection; Influenza A; Jak-STAT signaling pathway; |
| Function | cytokine activity; interferon-gamma receptor binding |
