

## Human Interferon gamma Antibody (R30104)

Catalog No.	Formulation	Size
R30104	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 0.025% sodium azide
<b>UniProt</b>	P01579
<b>Localization</b>	Cytoplasmic, membranous, extracellular (secreted)
<b>Applications</b>	Western Blot (recombinant Protein) : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested)
<b>Limitations</b>	This human Interferon gamma antibody is available for research use only.



Western blot testing of 0.5ng/lane of human IFN $\gamma$  recombinant protein with human Interferon gamma antibody at 0.5ug/ml.

## Description

Interferon-gamma (IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer (NK) cells and most prominently by CD8 cytotoxic T cells,

and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defence against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. IFN-gamma activates human macrophage oxidative metabolism and antimicrobial activity. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.

## **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the human Interferon gamma antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

Human partial recombinant protein (AA 24-166) was used as the immunogen for this human Interferon gamma antibody.

## **Storage**

After reconstitution, the human Interferon gamma antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.