

## Human Interferon gamma Antibody (R30104)

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

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <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<br>IHC (FFPE) : 0.5-1ug/ml<br>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.