



## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB12101 - Goat Anti-IFNGR1 (aa181-193) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** IFNGR1, interferon gamma receptor 1, CD119, IFNGR, AVP, type 2, CD119 antigen, CDw119, IFN-gamma receptor 1, IFN-gamma-R1, antiviral protein, type 2, immune interferon receptor 1, interferon-gamma receptor alpha chain

**Official Symbol:** IFNGR1

**Accession Number(s):** NP\_000407.1; NP\_001350455.1; NP\_001350456.1

**Human GeneID(s):** [3459](#)

### Immunogen

Peptide with sequence C-SEIQYKILTQKED, from the internal region of the protein sequence according to NP\_000407.1; NP\_001350455.1; NP\_001350456.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx. 70kDa band observed in lysates of cell lines K562, Caco-2 and HepG2, and approx. 50kDa in Human Spleen lysates (calculated MW of 50.1kDa according to NP\_001350456.1). The 70kDa observed molecular weight corresponds to the glycosylated form. Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Lung. Recommended concentration: 4-6µg/ml.

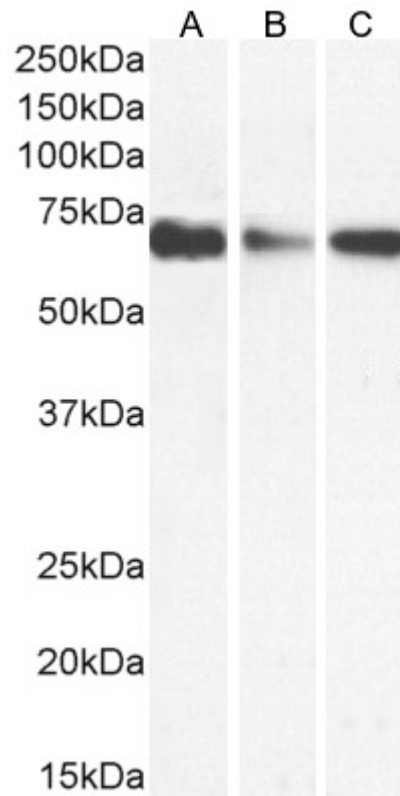
**Immunofluorescence:** Strong expression of the protein seen in the membranes of Caco-2 and THP-1 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10µg/ml.

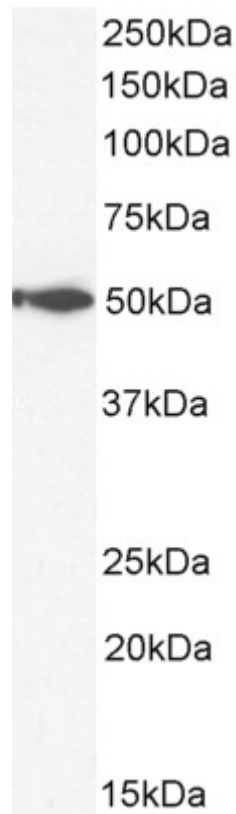
### Species Reactivity

**Tested:** Human

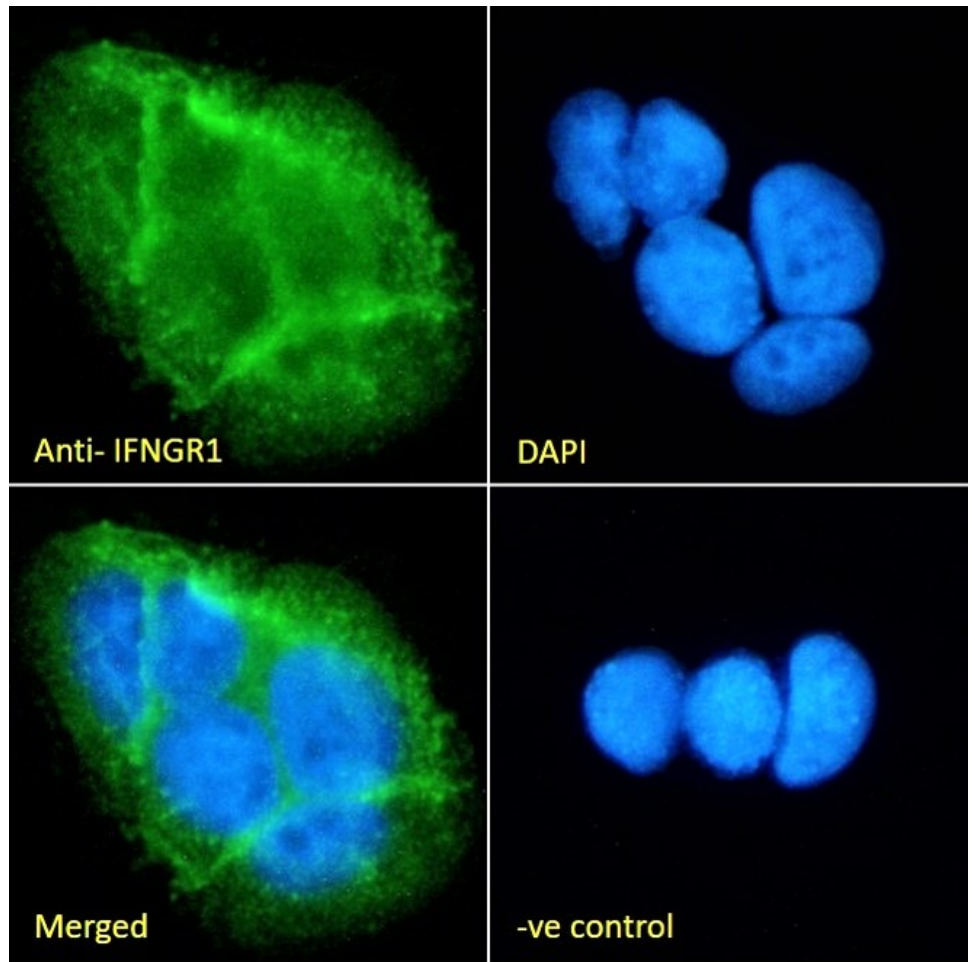
**Expected from sequence similarity:** Human



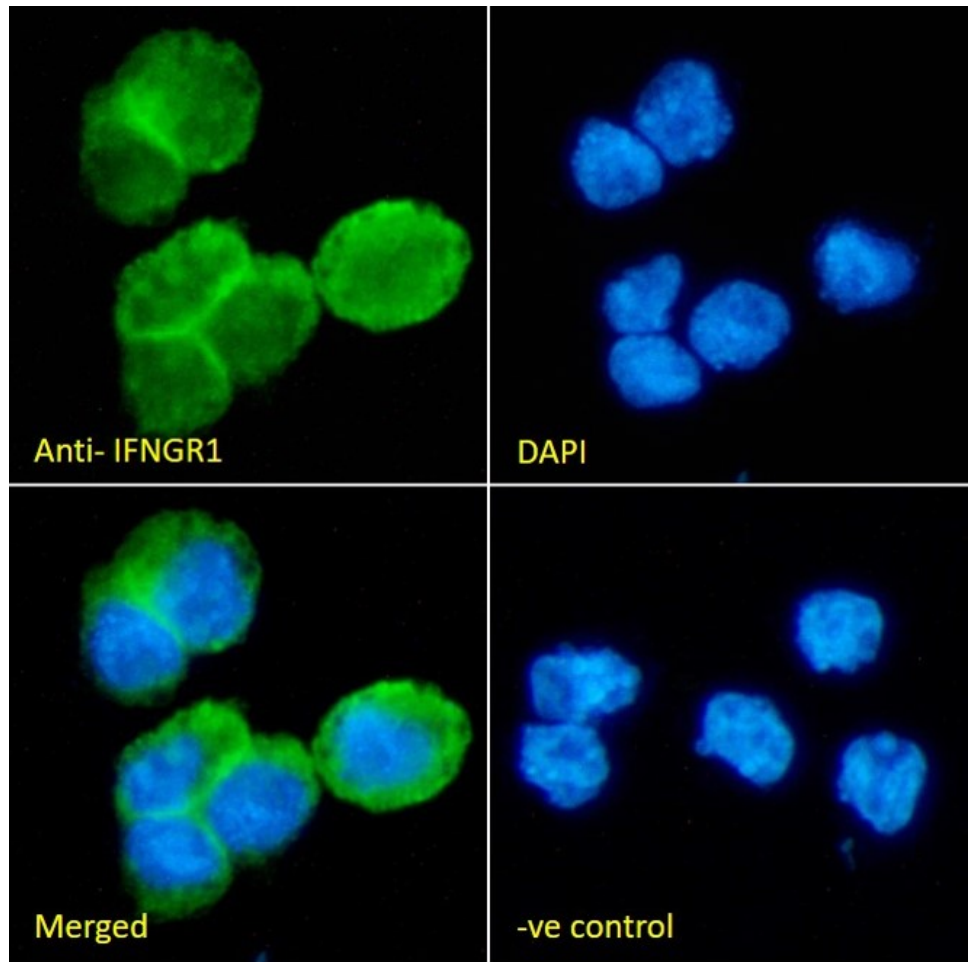
EB12101 (1 $\mu$ g/ml) staining of K562 (A) Caco-2 (B) and HepG2 (C) cell lysate (35 $\mu$ g protein in RIPA buffer).  
Detected by chemiluminescence.



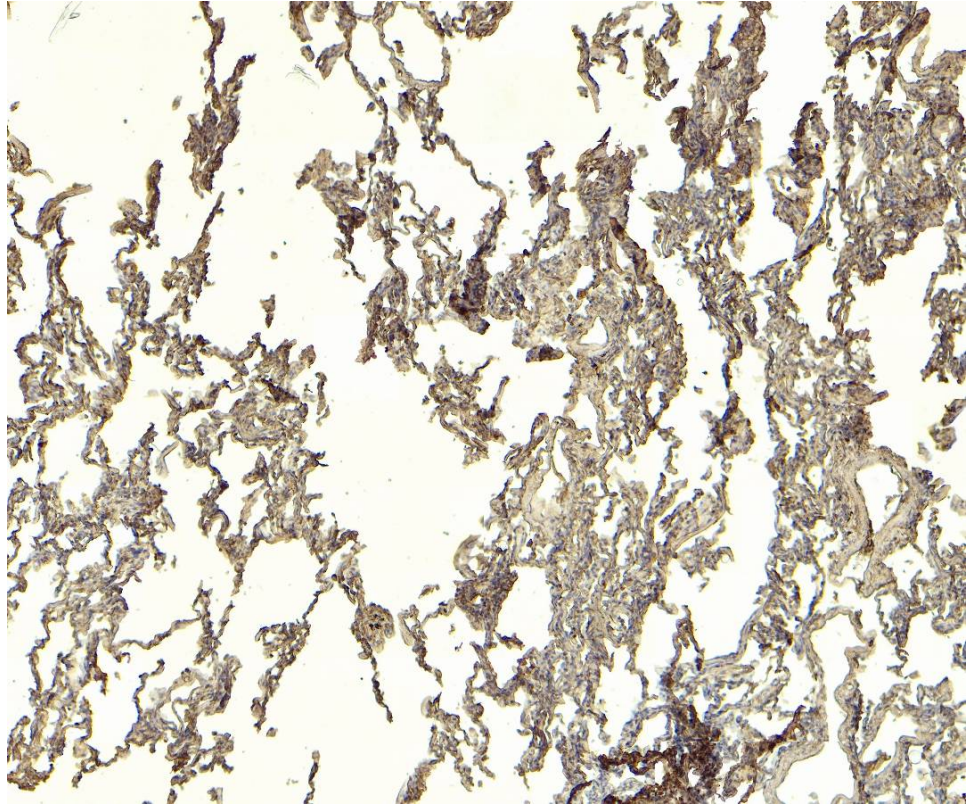
EB12101 (2 $\mu$ g/ml) staining of Human Spleen lysate (35 $\mu$ g protein in RIPA buffer). Detected by  
chemiluminescence.



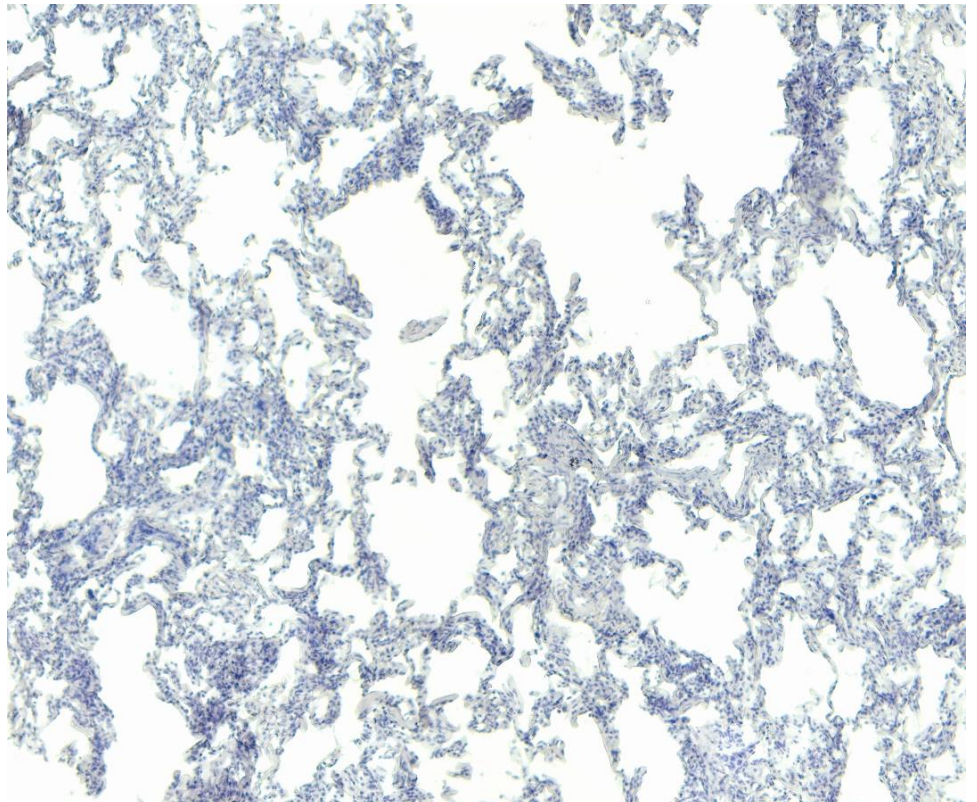
EB12101 Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



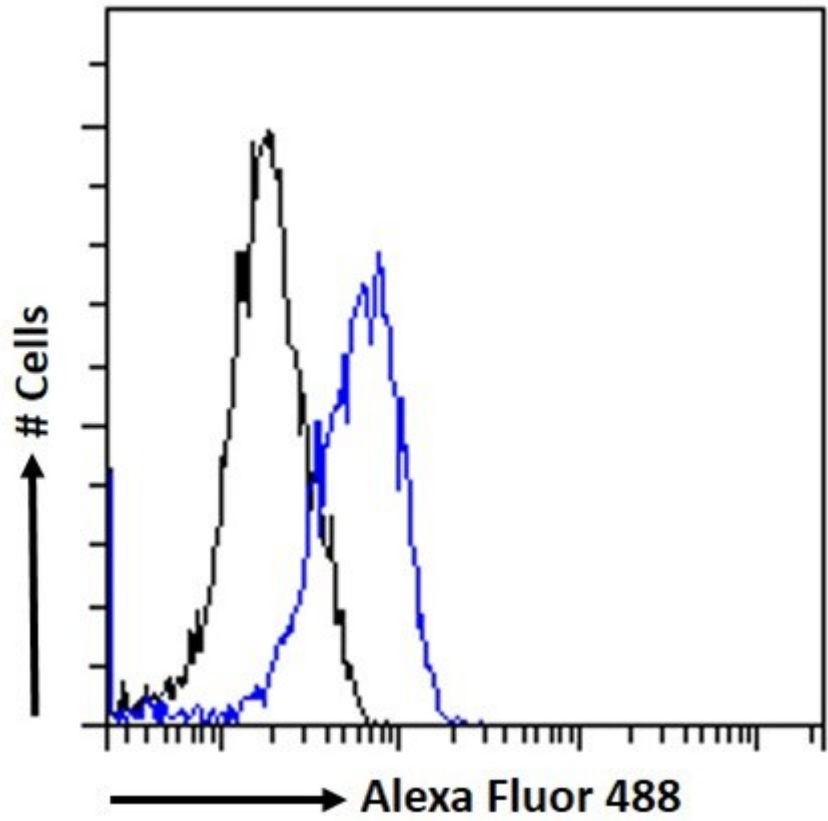
EB12101 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on Shifix™ coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12101 (4 $\mu$ g/ml) staining of paraffin embedded Human Lung. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12101 Negative Control showing staining of paraffin embedded Human Lung, with no primary antibody.



EB12101 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.