

For Research Use Only

# CoraLite®555-conjugated IRF3 Polyclonal antibody



Catalog Number:CL555-11312

Featured Product

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL555-11312                             | <b>GenBank Accession Number:</b><br>BC009395        | <b>Purification Method:</b><br>Antigen affinity purification          |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>3661                       | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>555 nm / 570 nm |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>interferon regulatory factor 3 |   |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>47 kDa                     |   |
| <b>Immunogen Catalog Number:</b><br>AG1858                        | <b>Observed MW:</b><br>49-55 kDa                    |   |

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

The virul-induced expression of interferon(IFN) genes in infected cells implicate in the interplay of several constitutively expressed and virus-activated transcription factors. A family of IFN regulatory factors(IRFs) have been shown to has a role in the transcription of IFN genes as well as IFN-stimulated genes. IRF3 is a novel key transcriptional regulator of type I IFN-dependent immune responses and involves in the innate immune response against DNA and RNA viruses, by binding to the promoters of IFN. It located in the cytoplasm of uninfected cells in an inactive form, and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, could be phosphorylated by IKBKE and TBK1 kinases. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and ISG genes. IRF3 exists some isoforms with MV 47-49 kDa, 33 kDa and 12-16 kDa.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

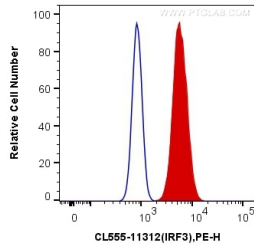
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human IRF3 (CL555-11312) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).