

For Research Use Only

CoraLite®555-conjugated IRF3 Polyclonal antibody



Catalog Number:CL555-11312

Featured Product

Basic Information

Catalog Number:

CL555-11312

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1858

GenBank Accession Number:

BC009395

GeneID (NCBI):

3661

UNIPROT ID:

Q14653

Full Name:

interferon regulatory factor 3

Calculated MW:

47 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima
wavelengths:

557 nm / 570nm

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 IKKε 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:

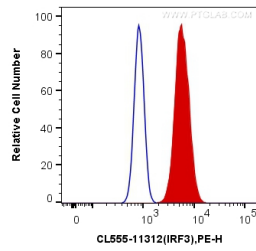
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Selected Validation Data



1X10⁶ 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).