

## Product datasheet for **AM05643PU-N**

### IRF3 Mouse Monoclonal Antibody [Clone ID: 3F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3F10
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (1:1000 - 1:2000), recommended starting dilution is 1:1000. <b>Immunoprecipitation.</b> <b>Immunofluorescence.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human IRF3 (108-166 aa) purified from E.coli
Specificity:	The antibody recognizes human interferon regulatory factor 3 (IRF3), a 55 kDa constitutively expressed member of the IRF family. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon regulatory factor 3
Database Link:	<a href="#">Entrez Gene 3661 Human</a> <a href="#">Q14653</a>



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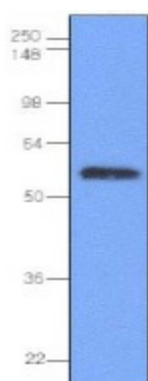
**Background:**

Members of the Interferon regulatory factor (IRF) family regulate gene expression critical to immune response, hemopoiesis, and proliferation. IRF-3 is distinct from other family members. Its transcriptional activity is regulated solely by posttranslational modifications. It plays a crucial role in activation of innate immunity and inflammation in response to viral infection.

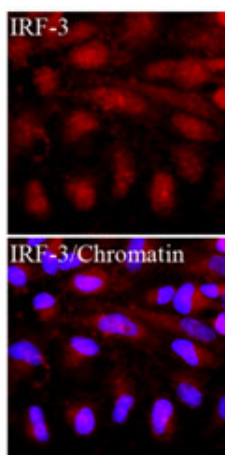
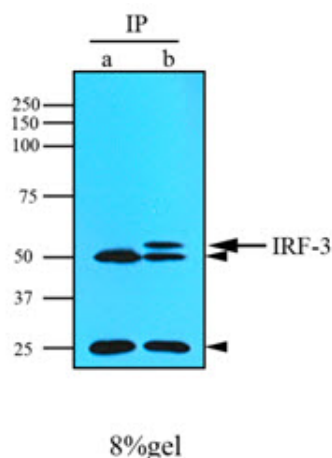
IRF3 accumulates in an inactive form in the cytoplasm and then translocates to the nucleus as a homodimer, following stimuli-induced phosphorylation of specific serine/threonine residues. Association of the homodimer with p300/CBP (CREBB binding protein) forms dsRNA-activated factor 1 (DRAFI), which then activates the transcription of interferon alpha and beta, along with other interferon-induced genes.

**Synonyms:**

Interferon regulatory factor 3, IRF-3

**Product images:**


Western blot analysis on HeLa cells: Cell lysates of HeLa (40 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human IRF-3 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunofluorescence of human HeLa cells stained with IRF-3 (1:500) with Texas-Red and Hoechst 33342 (Blue) for nucleus staining.