

Datasheet for ABIN930915

anti-IRF3 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IRF3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS), Dot Blot (DB)

Product Details

Immunogen:	IRF3 antibody was raised in mouse using recombinant Interferon Regulatory Factor 3
Clone:	IRF35I218
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	IRF3
Alternative Name:	IRF3 (IRF3 Products)
Background:	IRF3 encodes interferon regulatory factor 3, a member of the interferon regulatory transcription

Target Details

factor (IRF) family. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Synonyms: Monoclonal IRF3 antibody, Anti-IRF3 antibody, Interferon regulatory factor 3 antibody.

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB: 0.2-2 µg/mL, IP: 100-500 µg/sample, FC: 0.5-2 µg/sample, ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: IRF3 antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

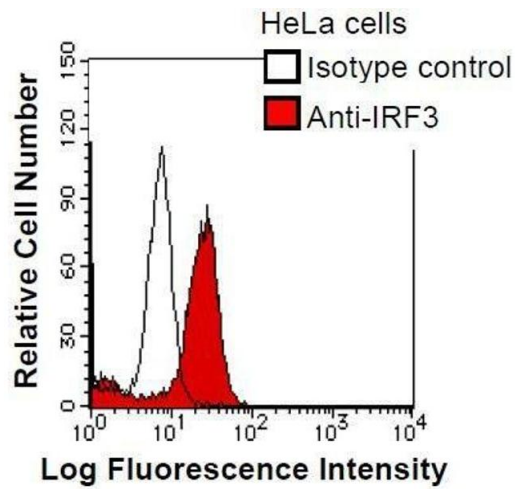
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

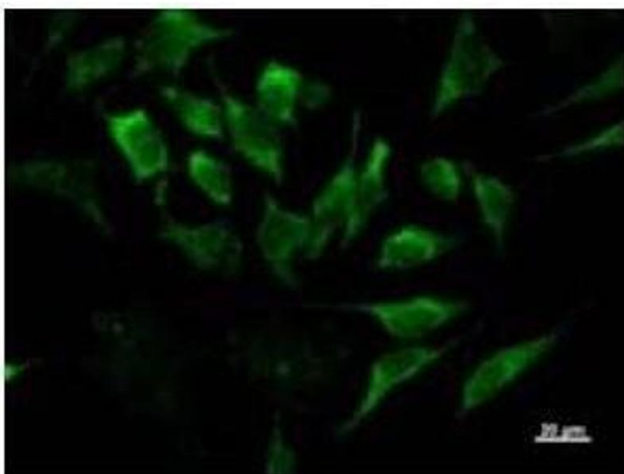
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



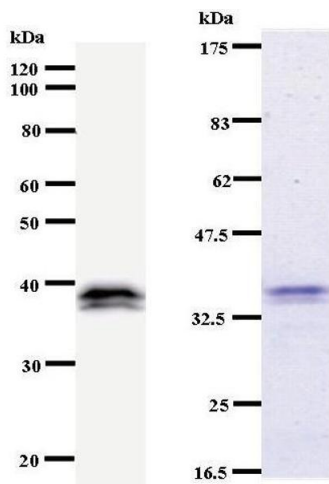
Flow Cytometry

Image 1. HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-IRF3 antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were stained with anti-IRF3 antibody.



Western Blotting

Image 3. Left: IRF3 staining. Right: Coomassie Blue staining of immunized recombinant protein.