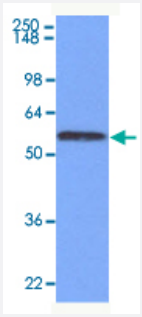
IRF3 monoclonal antibody, clone 3F10

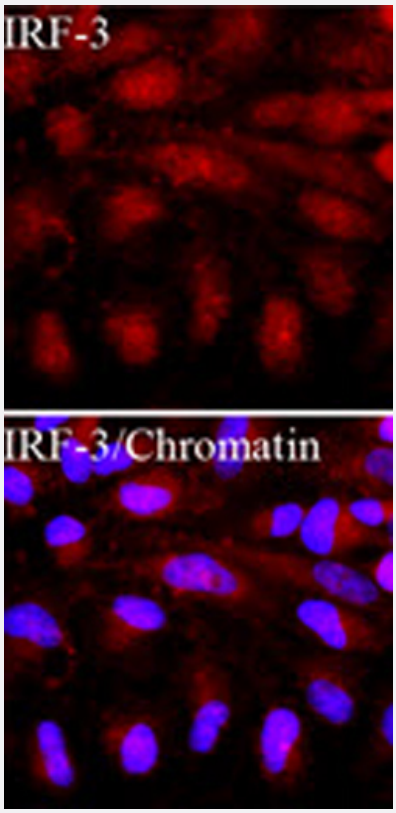
Catalog # MAB1103 Size 100 uL

Applications



Western Blot (Cell lysate)

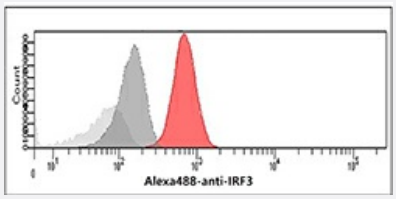
Western blot analysis of HeLa cell lysates.



Immunofluorescence

Immunofluorescence analysis of HeLa cells. The stained with IRF3 monoclonal antibody, clone 3F10 (1:500) with Texas-Red and Hoechst 33342 (Blue) for nucleus staining.

Flow Cytometry



Flow cytometry analysis of IRF3 in MCF7 cells. The cell was stained with MAB1103 at 2-5ug for 1x10^6cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant IRF3.
Immunogen	Recombinant protein corresponding to amino acids 108-166 of human IRF3.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysates.

- Immunocytochemistry

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells. The stained with IRF3 monoclonal antibody, clone 3F10 (1:500) with Texas-Red and Hoechst 33342 (Blue) for nucleus staining.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Flow cytometry analysis of IRF3 in MCF7 cells. The cell was stained with MAB1103 at 2-5ug for 1x10^6cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

Gene Info — IRF3

Entrez GeneID	3661
GeneBank Accession#	NM_001571
Protein Accession#	NP_001562
Gene Name	IRF3
Gene Alias	-
Gene Description	interferon regulatory factor 3
Omim ID	603734
Gene Ontology	Hyperlink
Gene Summary	IRF3 encodes interferon regulatory factor 3, a member of the interferon regulatory transcription fac tor (IRF) family. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphor ylation 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. [provided by RefSeq
Other Designations	-

Publication Reference

- Multiple NF-kappaB and IFN regulatory factor family transcription factors regulate CCL19 gene expression in human monocyte-derived dendritic cells.

  Pietila TE, Veckman V, Lehtonen A, Lin R, Hiscott J, Julkunen I.

  Journal of Immunology 2007 Jan; 178(1):253.

  Application: WB-Ce, Human, Human monocyte-derived dendritic cells

- Interferon regulatory factor 3 is necessary for induction of antiviral genes during human cytomegalovirus infection.

  DeFilippis VR, Robinson B, Keck TM, Hansen SG, Nelson JA, Fruh KJ.

  Journal of Virology 2006 Jan; 80(2):1032.

  Application: IF, WB-Tr, Human, Foreskin fibroblasts, HF-Control siRNA, HF-IRF3 siRNA cells

Pathway

- Toll-like receptor signaling pathway

Disease

- Asthma
- Bronchiolitis
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hepatitis C
- Infant
- Liver Cirrhosis
- Lung Neoplasms

- Lupus Erythematosus
- Neutropenia
- Papillomavirus Infections
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Thrombocytopenia
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Werner syndrome