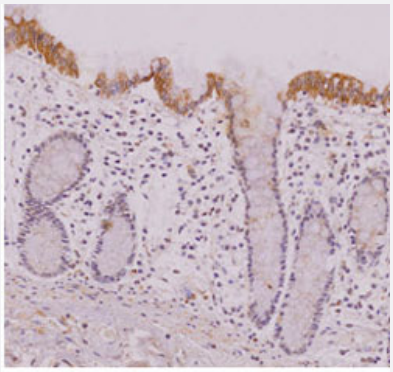
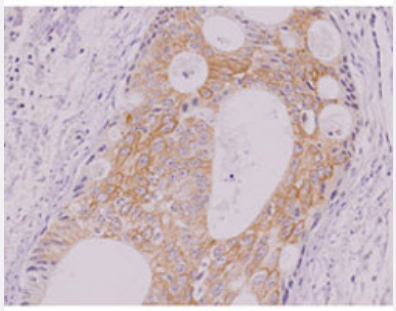
IRF5 monoclonal antibody, clone 10T1

Catalog # MAB1068 Size 100 uL

Applications



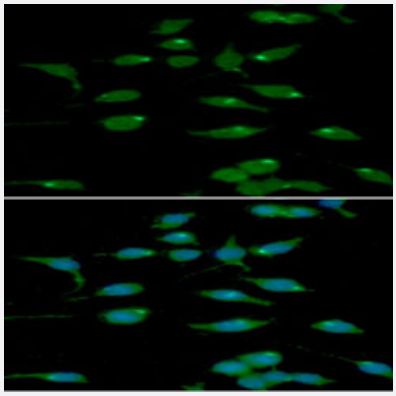
Normal colon mucosa



Colon adenocalcinoma

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of normal colon mucosa and colon adenocalcinoma tissue were incubated with IRF5 monoclonal antibody, clone 10T1 (Cat# MAB1068) (1:50) for 2 hours at room temperature, was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Immunofluorescence

Immunofluorescence analysis of Raw264.7 cells. The cell was stained with IRF5 monoclonal antibody, clone 10T1 (Cat# MAB1068) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

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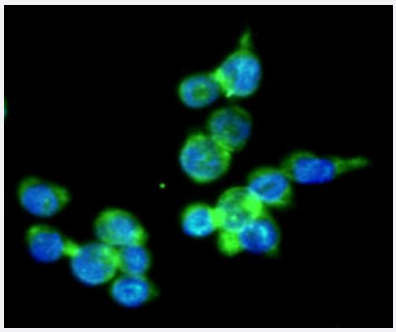
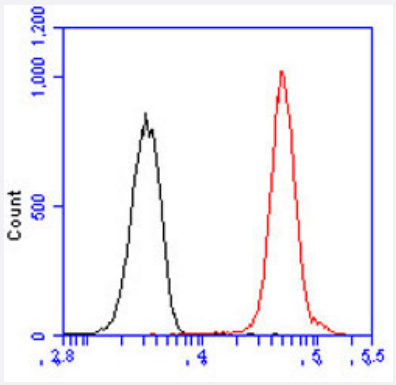


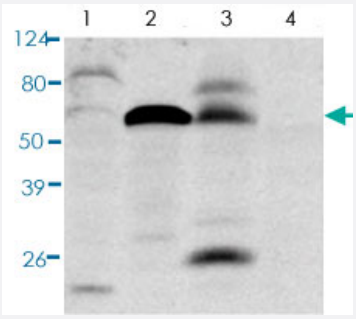
Immunocytochemistry

Immunocytochemistry analysis of THP-1 cells. The cell was stained with IRF5 monoclonal antibody, clone 10T1 (Cat#MAB1068) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry

Flow cytometry analysis of THP-1 cells, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Ramos cell lysate; Land 2: THP-1 cell lysate; Lane 3: A20 cell lysate; Lane 4: NIH3T3 cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant IRF5.
Immunogen	Recombinant protein corresponding to amino acids 176-240 of human IRF5.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Isotype	IgG1, kappa

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Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Immunohistochemistry 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of normal colon mucosa and colon adenocalcinoma tissue were incubated with IRF5 monoclonal antibody, clone 10T1 (Cat# MAB1068) (1:50) for 2 hours at room temperature, was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).

- Immunofluorescence

  Immunofluorescence analysis of Raw264.7 cells. The cell was stained with IRF5 monoclonal antibody, clone 10T1 (Cat# MAB1068) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Immunocytochemistry

  Immunocytochemistry analysis of THP-1 cells. The cell was stained with IRF5 monoclonal antibody, clone 10T1 (Cat#MAB1068) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Flow Cytometry

  Flow cytometry analysis of THP-1 cells, staining at 2-5ug for $1x10^6$cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: Ramos cell lysate; Land 2: THP-1 cell lysate; Lane 3: A20 cell lysate; Lane 4: NIH3T3 cell lysate.

Gene Info — IRF5

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Entrez GeneID	3663
GeneBank Accession#	NM_002200
Protein Accession#	NP_002191
Gene Name	IRF5
Gene Alias	SLEB10
Gene Description	interferon regulatory factor 5
Omim ID	607218
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcripti on factors with diverse roles, including virus-mediated activation of interferon, and modulation of c ell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are c haracterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative splice variants encoding different isoforms exist. [provided by RefSeq
Other Designations	-

Publication Reference

- Rotavirus NSP1 inhibits expression of type I interferon by antagonizing the function of interferon regulatory factors IRF3, IRF5, and IRF7.

  Barro M, Patton JT.

  Journal of Virology 2007 May; 81(9):4473.

  Application: WB-Tr, Human, HEK 293T cells

- Interferon regulatory factor 5 represses expression of the Epstein-Barr virus oncoprotein LMP1: braking of the IRF7/LMP1 regulatory circuit.

  Ning S, Huye LE, Pagano JS.

  Journal of Virology 2005 Sep; 79(18):11671.

Pathway

- Toll-like receptor signaling pathway

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Disease

- Antiphospholipid Syndrome
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Behcet Syndrome
- Bronchiolitis
- Cardiovascular Diseases
- Carotid Stenosis
- Cerebral Hemorrhage
- Diabetes Mellitus
- Disease Progression
- Edema
- Endometriosis
- Fibrosis
- Genetic Predisposition to Disease
- Giant Cell Arteritis
- Glomerulonephritis
- Hemophilia A
- Hypertension
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Intracranial Hemorrhages

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- Liver Cirrhosis
- Lupus Erythematosus
- Lupus Nephritis
- Multiple Sclerosis
- Myocardial Infarction
- Psoriasis
- Pulmonary Fibrosis
- Respiratory Syncytial Virus Infections
- Scleroderma
- Stroke
- Subarachnoid Hemorrhage
- Wegener Granulomatosis

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