

## ARG56923 anti-IRF5 antibody [10T1]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [10T1] recognizes IRF5
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	10T1
Isotype	IgG1, kappa
Target Name	IRF5
Species	Human
Immunogen	Recombinant fragment around aa. 176-240 of Human IRF5.
Conjugation	Un-conjugated
Alternate Names	SLEB10; Interferon regulatory factor 5; IRF-5

### Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-P	Assay - dependent
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 0.1M Sodium citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

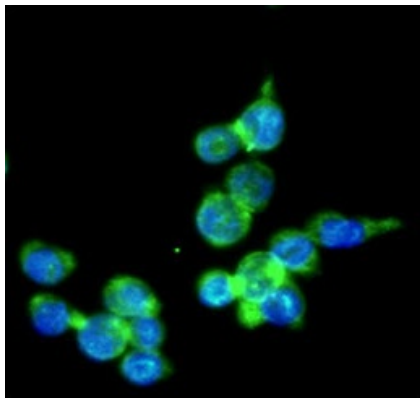
## Bioinformation

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Database links	<a href="#">GeneID: 27056 Mouse</a> <a href="#">GeneID: 3663 Human</a> <a href="#">Swiss-port # P56477 Mouse</a> <a href="#">Swiss-port # Q13568 Human</a>
Gene Symbol	IRF5
Gene Full Name	interferon regulatory factor 5
Background	This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Multiple transcript variants encoding different isoforms have been found for this gene, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Mar 2010]
Function	Transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Activated by TLR7 or TLR8 signaling. [UniProt]
Calculated Mw	56 kDa
PTM	Phosphorylation of serine and threonine residues in a C-terminal autoinhibitory region, stimulates dimerization, transport into the nucleus, assembly with the coactivator CBP/p300 and initiation of transcription. 'Lys-63'-linked polyubiquitination by TRAF6 is required for activation.

## Images

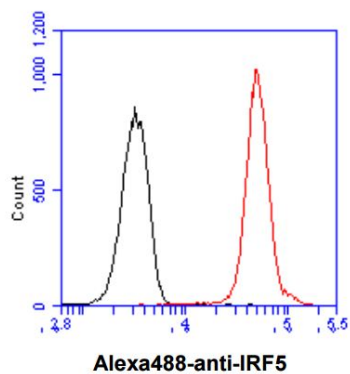
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ARG56923 anti-IRF5 antibody [10T1] ICC/IF image

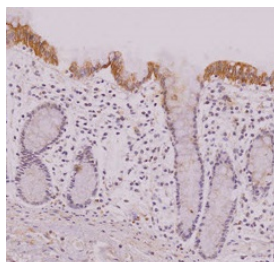
Immunofluorescence: THP-1 cell line stained with ARG56923 anti-IRF5 antibody [10T1] at 1:100 (Green).

DAPI (Blue) for nucleus staining.

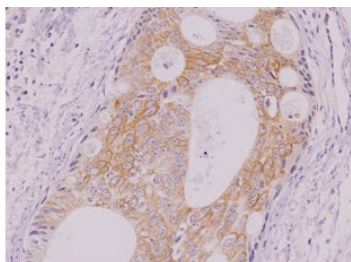


#### ARG56923 anti-IRF5 antibody [10T1] FACS image

Flow Cytometry: THP-1 cell line stained with ARG56923 anti-IRF5 antibody [10T1] at 2-5  $\mu$ g for  $1 \times 10^6$  cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



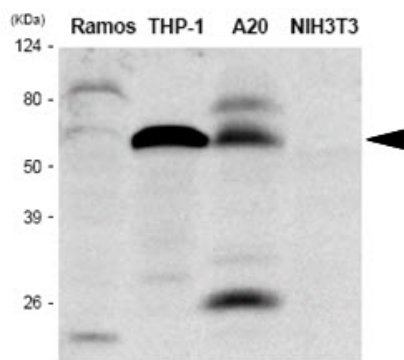
Normal colon mucosa



Colon adenocarcinoma

#### ARG56923 anti-IRF5 antibody [10T1] IHC-P image

Immunohistochemistry: Paraffin embedded sections of normal colon mucosa and colon adenocarcinoma tissue stained with ARG56923 anti-IRF5 antibody [10T1] at 1:50 for 2 hours at RT. Antigen Retrieval: Boil tissue section in 0.1M Sodium citrate buffer (pH 6.0) for 20 min.



#### ARG56923 anti-IRF5 antibody [10T1] WB image

Western blot: Ramos, THP-1, A20 and NIH3T3 stained with ARG56923 anti-IRF5 antibody [10T1] at 1:1000.