

## Product datasheet for **SM6008S**

### IRF5 (176-240) Mouse Monoclonal Antibody [Clone ID: 10T1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	10T1
Applications:	ELISA, FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/500-1/1,000. <b>Immunoprecipitation.</b> <b>Immunohistochemistry on paraffin sections:</b> 1/50. <b>Immunocytochemistry / Immunofluorescence.</b> <b>Flow cytometry.</b>
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human IRF-5 (176-240 aa) purified from <i>E. coli</i>
Specificity:	The antibody recognizes Interferon Regulatory Factor 5 (IRF-5) at aa 176-240.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
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 5
Database Link:	<a href="#">Entrez Gene 3663 Human Q13568</a>



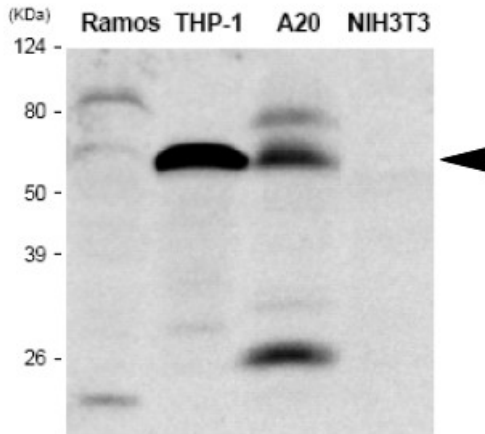
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**Background:**

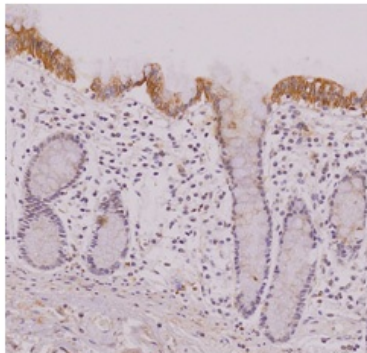
IRF-5 is a member of IRF family, which plays a critical role in the regulation of genes induced by viral infection, immunostimulation and cell growth regulation. The expression of IRF-5 is limited to lymphoid organs, dendritic cells, and peripheral blood lymphocytes, but is not expressed in numerous leukemia and lymphoma cell lines. Three IRFs (IRF-3, IRF-5, IRF-7) function as direct transducers of virus-mediated signaling and play a critical role in the expression of type I interferon genes and some chemokines.

**Synonyms:**

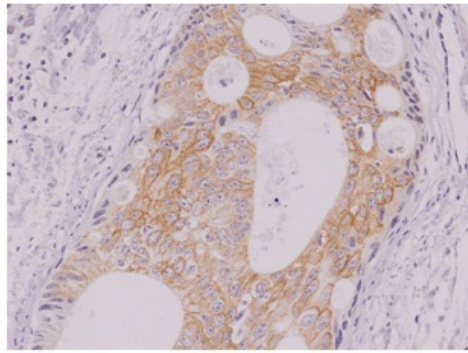
Interferon regulatory factor 5, IRF-5

**Product images:**


Western blot analysis: The extracts of Ramos, THP-1, A20 and NIH3T3 were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IRF5 antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Normal colon mucosa



Colon adenocarcinoma

Immunohistochemistry Paraffin embedded sections of normal colon mucosa and colon adenocarcinoma tissue were incubated with anti-human IRF-5 antibody (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).