

## APC anti-mouse IRF5 Antibody

<b>Catalog# / Size</b>	158605 / 25 µg
<b>Clone</b>	W16007B
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	IRF5, Irf5, IRF-5, Interferon regulatory factor 5
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	The interferon regulatory factor (IRF) family of transcription factors comprises nine members with conserved domains. IRF5 mediates the induction of proinflammatory cytokine, such as IL-6 and TNFα. IRF5 is highly expressed in monocytes, macrophages, B cells, and dendritic cells. Expression of IRF5 is associated with many autoimmune diseases.

### Product Details

---

<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse IRF5 recombinant protein (149-400 a.a.)
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze</b> .
<b>Application</b>	<a href="#">ICFC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">intracellular immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	<p>This clone was tested for ICC using RAW264.7 cells fixed with 4% PFA and permeabilized with either Triton X-100 or methanol. While both methods were compatible with IRF5 staining, the signal was weak and did not meet our sensitivity standards.</p> <p>This clone does not recognize human IRF5. For detection of human IRF5, please use BioLegend clone 11F4A09 (Cat. No. 652602).</p> <p>During product development testing of this clone for western blot, a ~37 kD protein of unknown origin was faintly detected. This protein may represent a minor IRF5 degradation product.</p>
<b>RRID</b>	AB_2924490 (BioLegend Cat. No. 158605)

### Antigen Details

---

<b>Structure</b>	497 a.a. (56 kD)
<b>Distribution</b>	Monocytes, macrophages, B cells, dendritic cells
<b>Function</b>	Involved in IFNα and IFNβ induction in response to viral infection

**Cell Type** B cells, Macrophages, Monocytes  
**Biology Area** Immunology, Signal Transduction  
**Molecular Family** Adaptor Proteins, Immune Checkpoint Receptors

**Antigen References**

1. Kobayashi S, *et al.* 2019. *J Immunol.* 203(6):1447-1456.
2. Nie S, *et al.* 2019. *Clin Immunol.* 207:24-35.
3. Pandey SP, *et al.* 2019. *Mucosal Immunol.* 12(4):1065.

**Gene ID** [27056](#)

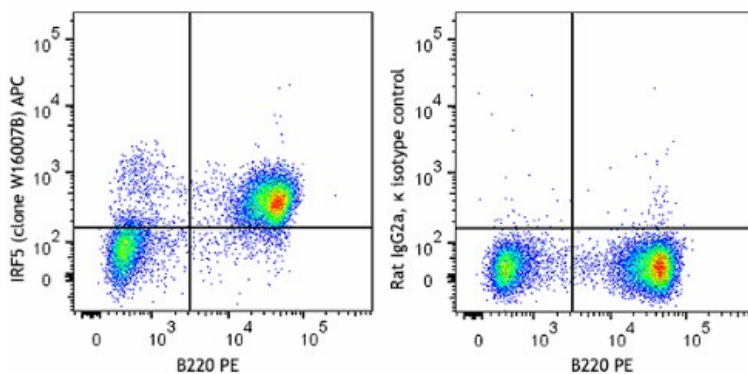
## Related Protocols

[Intracellular Flow Cytometry Staining Protocol](#)

## Other Formats

PE anti-mouse IRF5, Purified anti-mouse IRF5, APC anti-mouse IRF5

## Product Data



C57BL/6 mouse splenocytes were surface stained with anti-mouse/human B220 PE, then fixed and permeabilized with Cyto-Fast™ Fix/Perm Buffer Set (Cat. No. 426803) and intracellularly stained with anti-mouse IRF5 (clone W16007B) APC (left), or rat IgG2a, κ APC isotype control (right).

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587