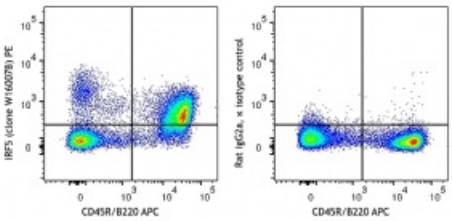
SONY

Product Data Sheet

PE anti-mouse IRF5

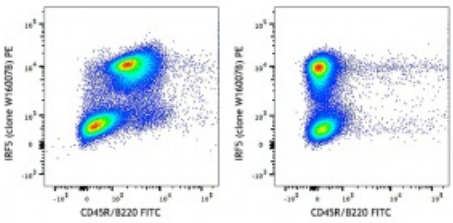
Catalog # / Size:	1393015 / 25 µg
Clone:	W16007B
Isotype:	Rat IgG2a, κ
Immunogen:	Mouse IRF5 recombinant protein (149-400 a.a.)
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Concentration:	0.2 mg/mL



C57BL/6 mouse splenocytes were fixed, permeabilized, and then stained with anti-mouse/human B220 APC and anti-mouse IRF5 (clone W16007B) PE (left), or rat IgG2a, κ PE isotype control (right).

Applications:

Applications:	Intracellular Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. 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.
Application Notes:	Additional reported applications (for the relevant formats) include: Direct ELISA and Western blotting.



Splenocytes from wild type (left) or IRF5 knockout (right) C57BL/6 mice were intracellularly stained with B220 FITC and IRF5 (clone W16007B) PE. Data was generated by Dr. Ian Rifkin and Dr. Kei Yasuda from Boston University.

Description: 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 TNFa. IRF5 is highly expressed in monocytes, macrophages, B cells, and dendritic cells. Expression of IRF5 is associated with many autoimmune diseases.

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.

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