

Alexa Fluor® 488 anti-IRF4

Catalog # / Size: 3832025 / 25 µg
3832030 / 100 µg

Clone: IRF4.3E4

Isotype: Rat IgG1, κ

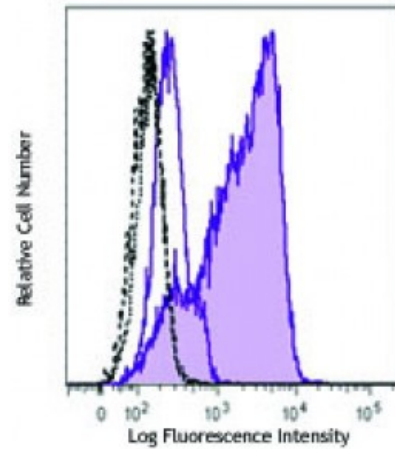
Immunogen: GST fusion protein containing C-terminal of murine IRF4

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



PHA-stimulated (3 days) or freshly isolated human peripheral lymphocytes were fixed and permeabilized with Nuclear Factor Fixation and Permeabilization Buffer Set (Cat. No. 422601). Cells were then stained with IRF4 (clone IRF4.3E4) Alexa Fluor® 488 (

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining using our nuclear factor staining protocol. For flow cytometric staining, the suggested use of this reagent is ≤0.125 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

Application References: 1. Zheng Y, *et al.* 2009. *Nature* 458:351
2. Yin SY, *et al.* 2011. *Exp Cell Res.* 317:2210. [PubMed](#)

Description: The IRF family consists of at least nine members. IRF4 and IRF8 are highly homologous to each other and also redundant in function. IRF4 is critical for Th2 and Th17 development. Together with TRF8, it plays an essential role in macrophage and dendritic cell development and function. IRF4 is also reported to be essential for pre-B cell development, receptor editing, germinal center reactor and plasma cell differentiation.

Antigen References: 1. Lu R. 2008. *Trends Immunol* 29:487.