

## Alexa Fluor® 647 anti-mouse CD268 (BAFF-R)

**Catalog # / Size:** 134105 / 25 µg  
134106 / 100 µg

**Clone:** 7H22-E16

**Isotype:** Rat IgG1, κ

**Immunogen:** Mouse BAFF receptor transfected rat RBL cells

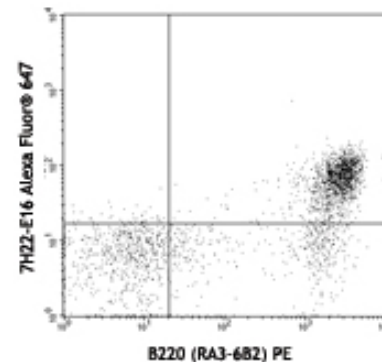
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 splenocytes double stained with 7H22-E16 Alexa Fluor® 647 (upper panel) or rat IgG1 isotype control Alexa Fluor® 647 (lower panel) and B220 (RA3-6B2) PE

## Applications:

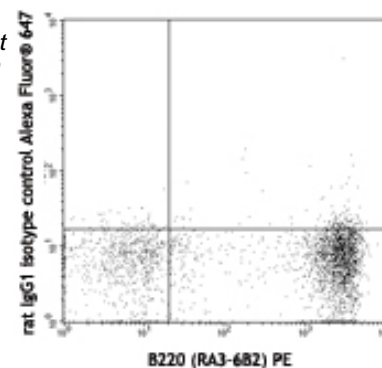
**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

\*\* Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

- Application References:**
1. Ng LG, et al. 2006. *Eur. J. Immunol.* 36:1837.
  2. Ng LG, et al. 2004. *J Immunol.* 173:807.
  3. Batten M, et al. 2000. *J. Exp. Med.* 192:1453.
  4. Fu L, et al. 2009. *Blood* 113:4627.



**Description:** BAFF (B cell-activating factor belonging to the TNF family) receptor (BAFF-R) is one of the three receptors that bind to BAFF. It is a type III transmembrane TNF receptor family member. BAFF-R is expressed at high levels in resting B cells and at lower levels in activated B cells, a small subset of activated/memory CD4<sup>+</sup> T cells. It is a major mediator of BAFF dependent co-stimulatory response in peripheral B and T cells. It was reported that the mice expressing defective BAFF-R have disrupted B cell maturation. BAFF receptor appears to be particularly important for the regulation of normal B cell survival and maturation, as well as in the pathophysiology of aggressive B-cell malignancies and autoimmune diseases.

- Antigen References:**
1. Thompson JS, et al. 2001. *Science* 293:2108.
  2. Schiemann B, et al. 2001. *Science* 293:2111.
  3. Batten M, et al. 2000. *J. Exp. Med.* 192:1453.
  4. Fu L, et al. 2009. *Blood* 113:4627.

**Related Products:**

**Product**  
Alexa Fluor® 647 Rat IgG1, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
TruStain fcX™ (anti-mouse CD16/32)

**Clone**  
RTK2071

93

**Application**  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC  
FC



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