

# Product Data Sheet

## PE anti-mouse CD79a (Igα)

**Catalog # / Size:** 133103 / 50 µg

**Clone:** F11-172

**Isotype:** Armenian Hamster IgG1

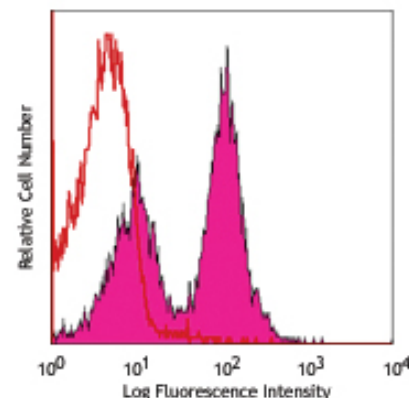
**Reactivity:** Mouse

**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

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



C57BL/6 mouse splenocytes were intracellularly stained with F11-172 PE

## Applications:

**Applications:** ICFC - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10<sup>6</sup> cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1 Kraus M, *et al.* 2001. *J. Exp. Med.* 194:455

**Description:** Mouse CD79a (Igα chain) is a 47 kD type I integral membrane protein, known as mb-1 or Ig A. It forms a heterodimer with CD79b (IgB chain). The CD79a and CD79b heterodimers are associated with surface IgM to form the B-cell receptor (BCR) that is necessary for signal transduction via the BCR in mature B cells. CD79a may play a role in mediating the transport of IgM to the cell surface. Clone F11-172 antibody recognizes the 47 kD membrane glycoprotein present on B lymphocytes. Clone F11-172 antibody recognizes the 47 kD membrane glycoprotein present on B lymphocytes.

**Antigen References:** 1. Schamel W, *et al.* 2000. *Immunity* 13:5  
 2. Taddie JA, *et al.* 1994. *J. Biol. Chem.* 269:13529

### Related Products:

Product  
 PE Armenian Hamster IgG Isotype Ctrl  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 TruStain fcX™ (anti-mouse CD16/32)  
 Fixation Buffer  
 Permeabilization Wash Buffer (10X)

**Clone**  
 HTK888

93

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



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