BioLegend
The path to legendary discovery™

Product Data Sheet

FITC anti-mouse CD79b (Igβ)

Catalog # / Size: 132805 / 50 µg
132806 / 200 µg

Clone: HM79-12

Isotype: Armenian Hamster IgG

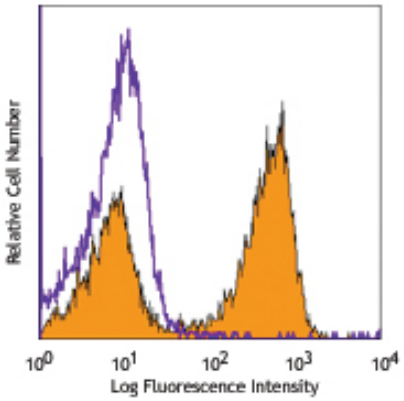
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

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 stained with HM79-12 FITC

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.

Application References:
1. Gong S, *et al.* 1996. *Science.* 272 (5260):411-414.
2. Nagata K, *et al.* 1997. *Immunity.* .7 (4):559-570.
3. Papavasiliou F, *et al.* 1995. 268(5209):408-411.

Description: Mouse CD79b (Igβ chain) is a 35-40kD transmembrane protein that forms a heterodimer with CD79a (30-35 kD, Ig α chain).The CD79b and CD79a hererodimers 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.CD79b participates signal transduction involved in the development of B cells as well. It was reported that association between CD79b/CD79a with IgM is essential in inducing both the transition from progenitor to precursor B cells and subsequent allelic exclusion.Igβ knockout mice had a complete block in B cell development at the immature $CD43^+B220^+$ stage. The HM79b-12 react with an extracellular epitope of CD79b or Ig β.

Related Products:

Product	Clone	Application
FITC Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 455-9588 Fax: (858) 455-9587