

FITC anti-mouse CD79b (Ig β)

Catalog # / Size: 132805 / 50 μ g
132806 / 200 μ g

Clone: HM79-12

Isotype: Armenian Hamster IgG

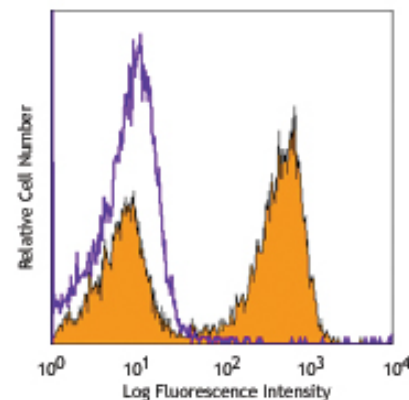
Reactivity: Mouse

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 μ g per million cells in 100 μ l 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 (Ig β chain) is a 35-40kD transmembrane protein that forms a heterodimer with CD79a (30-35 kD, Ig α chain). The CD79b and CD79a 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. 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. Ig β 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



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