

## Purified anti-mouse CD79b (Ig $\beta$ )

**Catalog # / Size:** 132801 / 50  $\mu$ g  
132802 / 500  $\mu$ g

**Clone:** HM79-12

**Isotype:** Armenian Hamster IgG

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

**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.

## 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  $\leq 0.25$   $\mu$ g per million cells in 100  $\mu$ 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*. 272:411.
2. Nagata K, *et al.* 1997. *Immunity* 7:559.
3. Papavasiliou F, *et al.* 1995. 268:408.

**Description:** Mouse CD79b (Ig $\beta$  chain) is a 35-40kD transmembrane protein that forms a heterodimer with CD79a (30-35 kD, Ig  $\alpha$  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 in 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 $\beta$  knockout mice had a complete block in B cell development at the immature CD43<sup>+</sup>B220<sup>+</sup> stage. The HM79b-12 react with an extracellular epitope of CD79b or Ig  $\beta$ .

Related Products:	Product	Clone	Application
	Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICC, ICFC, IF, IP, WB



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.