Biotinylated Anti-mouse CD79b Antibody (HM79-16 or HM79b, Human IgG1 Fc Silent Kappa) | PA007725.h1Fs-b

Catalog No.: PA007725.h1Fs-b | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry Grade**

Recombinant anti-mouse CD79b monoclonal antibody (Clone HM79-16 or HM79b, Biotinylated), engineered with a Human IgG1 Fc-Silent domain to minimize non-specific Fc receptor binding during cell surface analysis. Variable regions are derived from the classic Syrian hamster anti-mouse CD79b clone HM79-11 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007725.h1Fs-b
Product Name	Biotinylated Recombinant Anti-mouse CD79b Monoclonal Antibody (Clone: HM79-16 or HM79b), Human IgG1 Fc Silent Kappa
Clone & Isotype	HM79-16 or HM79b | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Reactivity & Specificity	Mouse CD79b protein. The site-directed biotinylated recombinant HM79-16 or HM79b antibody specifically binds to mouse CD79b protein.
Source / Host	The site-directed biotinylated anti-mouse CD79b monoclonal antibody (clone: HM79-16 or HM79b) was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives. Biotin-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	The HM79-16 or HM79b antibody is shipped with ice pack. Upon receipt, store it immediately at the recommended temperature.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Biological Description & Background

Recombinant human IgG1 Monoclonal Antibody with site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

CD79b (Ig-beta, B29) forms a disulfide-linked heterodimer with CD79a (Ig-alpha) to associate non-covalently with membrane immunoglobulin (mIg), constituting the B cell receptor (BCR) complex. Engineered with a Human IgG1 Fc Silent framework, this antibody minimizes background binding to Fc receptors on immune cells. Site-directed biotinylation at the C-terminus via an Avi tag ensures consistent biotin orientation, enhancing sensitivity and efficiency for streptavidin-based detection in flow cytometry, cell sorting, and bead conjugation.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/biotinylated-anti-mouse-cd79b-monoclonal-antibody-pa007725-h1fs-b/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5019
- **Support Email:** message@sydlabs.com