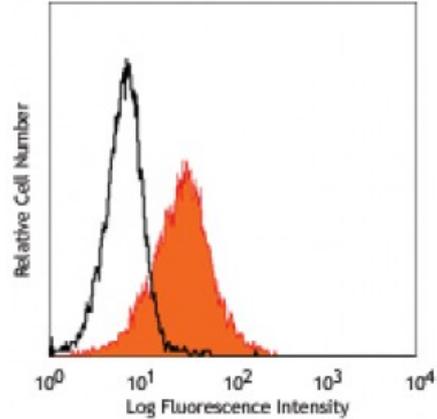


**PE anti-human CD179a (VpreB)**

**Catalog # / Size:** 2337020 / 100 tests  
**Clone:** HSL96  
**Isotype:** Mouse IgG1, κ  
**Reactivity:** Human  
**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 and 0.2% (w/v) BSA (origin USA).  
**Concentration:** Lot-specific



Human pre-B cell line NALM6 stained with HSL96 PE

**Applications:**

**Applications:** Flow Cytometry  
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.  
**Application References:** 1. Tsyganezawa K, *et al.* 1998. *Blood* 92:4317  
 2. Kiyokawa N, *et al.* 2004. *Modern Pathology*. 17:423  
 3. Kraus H, *et al.* 2014. *J. Immunol.* 192:1044. [PubMed](#)

**Description:** CD179a is an 18 kD Ig V-like protein expressed on pro-B and early pre-B cells. It is a member of the Ig gene superfamily, known as VpreB, VPRED1, and IGVPB. CD179a noncovalently associates with CD179b (λ5) to form a surrogate light (SL) chain. The SL chain is complexed with membrane bound IgM heavy (μH) chain and CD79a/CD79b heterodimer to form the pre-B-cell receptor (PreBCR) complex. The function of CD179a/CD179b is still under investigation though it has been reported that the pre-BCR complex plays a critical role in B cell development.  
**Antigen References:** 1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers* Wiley-Liss A John Wiley & Sons Inc, Publication  
 2. Zhang M, *et al.* 2004. *Cell. Mol. Immunol.* 1:89