

PE anti-mouse CD317 (BST2, PDCA-1)

Catalog # / Size: 127103 / 25 µg
127104 / 100 µg

Clone: 129C1

Isotype: Rat IgG2b, κ

Immunogen: Mouse plasmacytoid dendritic cells (DCs)

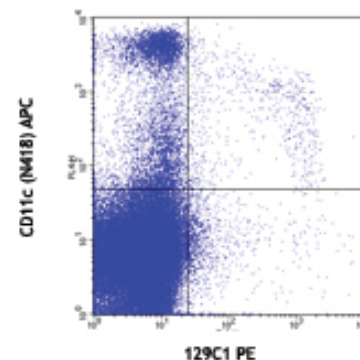
Reactivity: Mouse

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.

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



SJL mouse splenocytes double stained with 129C1 PE and CD11c (N418) APC

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. Blasius AL, *et al.* 2006. *J. Immunol.* 177:3260
2. Kojima K, *et al.* 2011. *Am J Respir Crit Care Med.* 184:328. PubMed.

Description: CD317, known as BST2, tetherin, HM1.2 antigen, bone marrow stromal antigen 2, or PDCA-1, is type II transmembrane glycoprotein with a molecular mass of 29-33 kD. It is predominantly expressed on Type I IFN-producing cells (IPCs) in naïve mice, but is up-regulated on most cell types following stimulation with type I IFNs and IFN-gamma. It is highly expressed on terminally differentiated normal plasmacytoid dendritic cells and some tumor cells, such as multiple myeloma, renal cell carcinoma, and melanoma cells. BST2 is a recently identified as IFN-induced cellular response factor that blocks release of HIV-1 and other retroviruses from infected cells. BST2 has been found to be the natural ligand of ILT7 in human model.

Antigen References: 1. Douglas JL, *et al.* 2009. *J Virol.* 83(16):7931
2. Cao W, *et al.* 2009. *J. Exp. Med.* 206(7):1603
3. Neil SJ, *et al.* 2008. *Nature* 451:425

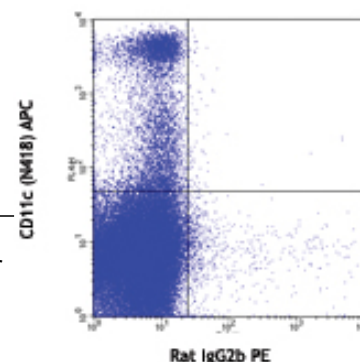
Related Products:

Product
PE Rat IgG2b, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
TruStain fcX™ (anti-mouse CD16/32)

Clone
RTK4530

93

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC



SJL mouse splenocytes double stained with rat IgG2b isotype control PE and CD11c (N418) APC



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