CD317 (BST2, PDCA-1) Monoclonal Antibody (eBio129c (129c)), Alexa Fluor™ 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor™ 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio129c (129c)
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2811863

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

Product Specific Information

Description: The eBio129c monoclonal antibody reacts with mouse PDCA-1 (BST2, CD317), a specific marker of plasmacytoid dendritic cells (pDC), also known as type I IFN-producing cells (IPC) in the naive mouse. Mouse IPCs are typically CD11c+, CD11b-, B220+, Ly-6C+, and CD62L+. PDCA-1 is predominantly expressed by IPCs in the naive mouse which represents a very minor population (<0.5%) of splenocytes. It is upregulated on numerous cell types following stimulation which triggers an IFN response. PDCA-1 cycles between cell surface and intracellular compartments and may function to regulate trafficking of secreted cytokines. PDCA-1 (BST2) is the protein recognized by the antibody 120G8.

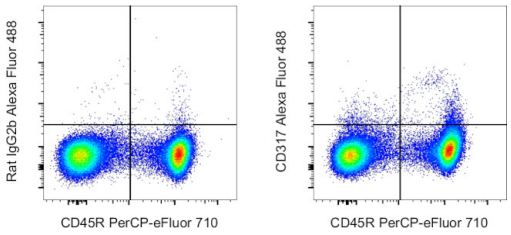
The epitope recognized by eBio129c is distinct from eBio927; thus, the antibodies can be used to costain, purify and identify pDCs.

Applications Reported: This eBio129c (129c) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio129c (129c) antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser

Product Images For CD317 (BST2, PDCA-1) Monoclonal Antibody (eBio129c (129c)), Alexa Fluor™ 488, eBioscience™



CD317 (BST2, PDCA-1) Antibody (53-3171-82) in Flow
SJL mouse splenocytes were stained with CD45R Monoclonal Antibody, PerCP-eFluor 710 (Product # 46-0452-82) and 0.125 µg of Rat IgG2b kappa Isotype Control, Alexa Fluor 488 (Product # 53-4031-80) (left) or 0.125 µg of CD317 (BST2,PDCA-1) Monoclonal Antibody, Alexa Fluor 488 (right). Cells in the lymphocyte gate were used for analysis.