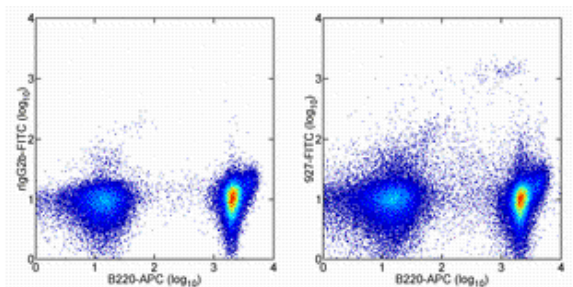


## Anti-Mouse CD317 (BST2, PDCA-1) FITC

**Catalog Number:** 11-3172

**Also Known As:** plasmacytoid DC Ag-1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of SJL splenocytes with Anti-Human/Mouse CD45R (B220) APC (cat. 17-0452) and 0.25  $\mu$ g of Rat IgG2b kappa Isotype Control FITC (cat. 11-4031) (left) or 0.25  $\mu$ g of Anti-Mouse CD317 (BST2, PDCA-1) FITC (right). Cells in the large forward scatter population were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD317 (BST2, PDCA-1) FITC

**REF** **Catalog Number:** 11-3172

**Clone:** eBio927

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Rat IgG2b, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

**Use By:** Refer to Vial

**Caution, contains Azide**

### Description

The eBio927 monoclonal antibody reacts with PDCA-1 (BST2, CD317), a specific marker of plasmacytoid dendritic cells (pDC), also known as type I IFN-producing cells (IPC) in the naïve mouse. Mouse IPCs are typically CD11c+, CD11b-, B220+, Ly-6C+, and CD62L+. PDCA-1 is predominantly expressed by IPCs in the naïve 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 antibody 120G8.

The eBio927 monoclonal antibody has also been shown to have functional activity. The epitope recognized by eBio927 is distinct from eBio129c; thus, the antibodies can be used to costain, purify and identify pDCs.

### Applications Reported

This eBio927 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This eBio927 antibody has been tested by flow cytometric analysis of SJL splenocytes. This can be used at less than or equal to 0.5  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. 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.

### References

Blasius A.L., E. Giurisat, M. Cella, R.D. Schreiber, A.S. Shaw, M. Colonna. 2006. Bone Marrow Stromal Cell Antigen 2 Is a Specific Marker of Type I IFN-Producing Cells in the Naïve Mouse, but a Promiscuous Cell Surface Antigen Following IFN Stimulation. J Immunol. 177:3260-3265 (927, FC, FA)

### Related Products

11-4031 Rat IgG2b K Isotype Control FITC

17-0452 Anti-Human/Mouse CD45R (B220) APC (RA3-6B2)