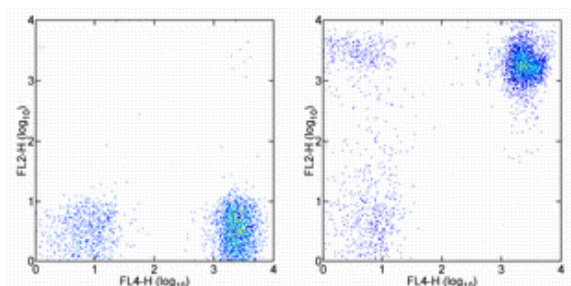


## Anti-Human CD43 PE

**Catalog Number:** 12-0439

**Also Known As:** Leukosialin, LSN, Sialophorin, SPN

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



Staining of normal human peripheral blood cells with Anti-Human CD3 APC (cat. 17-0038) and Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD43 PE (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD43 PE


**REF** **Catalog Number:** 12-0439

**Clone:** eBio84-3C1 (84-3C1)

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test


**Host/Isotype:** Mouse IgG1

**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.

 **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### Description

The monoclonal antibody eBio84-3C1 reacts with CD43, which is also known as leukosialin, galactoglycoprotein and sialophorin. CD43 is a sialomucin which like many mucins can have both adhesive and anti-adhesive functions. Expression of CD43 is found on most leukocytes except resting B lymphocytes. Proteolytic processing upon activation decreases surface expression. CD43 is involved in activation of T cells, B cells, NK cells, and monocytes. The counter-receptor for CD43 is CD169/SIGLEC-1, which is expressed on macrophages.

### Applications Reported

This eBio84-3C1 (84-3C1) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This eBio84-3C1 (84-3C1) antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood cells. This can be used at 5  $\mu$ L (0.125  $\mu$ 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.

### References

Borche L, Lozano F, Vilella R, Vives J. CD43 monoclonal antibodies recognize the large sialoglycoprotein of human leukocytes. *Eur J Immunol.* 1987 Oct;17(10):1523-6.

Schlossman, S., L. Bloumsell, et al. eds. 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford University Press. New York.

### Related Products

12-0431 Anti-Mouse CD43 PE (eBioR2/60)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

17-0038 Anti-Human CD3 APC (UCHT1)