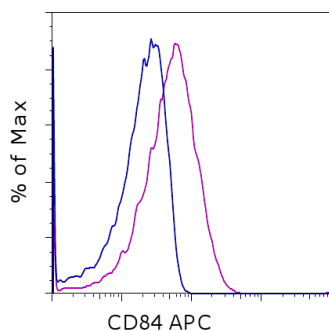


## Anti-Human CD84 APC

**Catalog Number:** 17-0849

**Also known as:** SLAMF5, LY9B

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD84 APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Human CD84 APC

**Catalog Number:** 17-0849

**Clone:** 2G7

**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, 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.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

### Description

The monoclonal antibody 2G7 reacts to CD84, a transmembrane protein of the Ig SLAM superfamily. Expression of CD84 is found on mature B cells, a subset of T cells (mainly CD4+CD45RA+), monocytes and platelets. CD84 is found on a percentage of human hematopoietic progenitor (CD34+) cells. Signaling through CD84 via homotypic interactions involves phosphorylation and recruitment of SAP and EAT-2 leading to production of IFN $\gamma$  and T cell activation.

### Applications Reported

This 2G7 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 2G7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.25  $\mu$ 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

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Lucas AD, Chadwick N, Warren BF, Jewell DP, Gordon S, Powrie F, Greaves DR. The transmembrane form of the CX3CL1 chemokine fractalkine is expressed predominantly by epithelial cells in vivo. *Am J Pathol*. 2001 Mar;158(3):855-66. (2G7, IHf, PubMed)

Munitz A, Bachelet I, Fraenkel S, Katz G, Mandelboim O, Simon HU, Moretta L, Colonna M, Levi-Schaffer F. 2B4 (CD244) is expressed and functional on human eosinophils. *J Immunol*. 2005 Jan 1;174(1):110-8. (2G7, FC PubMed)

### Related Products

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17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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