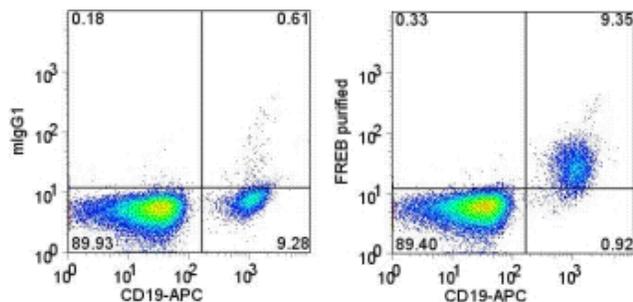


## Anti-Human FCRLA (FREB) Purified

**Catalog Number:** 14-5847

**Also Known As:**FCRX

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



Normal human peripheral blood cells were stained with 0.015 ug of Mouse IgG1 kappa Isotype Control Purified (cat. 14-4714) (left panel) or 0.015 ug of Anti-Human FCRLA (FREB) Purified (cat. 14-5847) (right panel) using IC Fixation Buffer (cat. 00-8222) followed by F(ab')<sub>2</sub> Anti-Mouse IgG PE (cat. 12-4012) and subsequently with Anti-Human CD19 APC (cat. 17-0199).

### Product Information

**Contents:** Anti-Human FCRLA (FREB) Purified

**REF** **Catalog Number:** 14-5847

**Clone:** N28.1

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Mouse IgG1

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



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The N28.1 monoclonal antibody recognizes the Fc receptor homolog expressed in B cells (FREB), also known as FCRLA or FcRX. FREB is a member of the family of Fc receptors for IgG (FcRg). Unlike FcRg, FREB lacks a transmembrane sequence and has an intracellular localization. FREB has been detected in proliferating and activated B cells, EBV-transformed B cells, germinal center centroblast, follicular lymphoma and the Burkitt's lymphoma cell line Raji. In contrast with published reports, the N28.1 antibody was also able to detect expression of FREB in resting B cells from normal human blood samples.

### Applications Reported

This N28.1 antibody has been reported for use in intracellular staining followed by flow cytometric analysis, and immunohistochemical staining. (Fluorochrome conjugated N28.1 is recommended for use in intracellular flow cytometry.)

### Applications Tested

This N28.1 antibody has been tested by intracellular staining followed by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.03 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. IC Fixation Buffer (cat.00-8222) and Foxp3 staining buffer (cat.00-5523) have been tested for use with the N28.1 antibody and gave identical results.

### References

Davis RS. Fc receptor-like molecules. *Annu Rev Immunol.* 2007;25:525-60.

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Davis RS, Li H, Chen CC, Wang YH, Cooper MD, Burrows PD. Definition of an Fc receptor-related gene (FcRX) expressed in human and mouse B cells. *Int Immunol.* 2002 Sep;14(9):1075-83.

Facchetti F, Cella M, Festa S, Fremont DH, Colonna M. An unusual Fc receptor-related protein expressed in human centroblasts. *Proc Natl Acad Sci U S A.* 2002 Mar 19;99(6):3776-81. Epub 2002 Mar 12. (N28.1, FC, IHC, Pubmed)

Mechetina LV, Najakshin AM, Volkova OY, Guselnikov SV, Faizulin RZ, Alabyev BY, Chikaev NA, Vinogradova MS, Tarantin AV. FCRL, a novel member of the leukocyte Fc receptor family possesses unique structural features. *Eur J Immunol.* 2002 Jan;32(1):87-96.

### Related Products

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

00-8222 IC Fixation Buffer  
11-0199 Anti-Human CD19 FITC (HIB19)  
12-4010 F(ab')<sub>2</sub> Anti-Mouse IgG PE (polyclonal)  
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)  
17-0199 Anti-Human CD19 APC (HIB19)

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