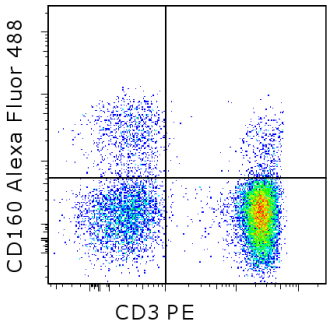
Anti-Human CD160 Alexa Fluor® 488

Catalog Number: 53-1609
Also known as: BY55
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD3 PE (cat. 12-0037) and Anti-Human CD160 Alexa Fluor® 488 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD160 Alexa Fluor® 488
REF **Catalog Number:** 53-1609
Clone: BY55
Concentration: 5 uL (0.25 ug)/test
Host/Isotype: Mouse IgM

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

Description

This BY55 monoclonal antibody reacts with human CD160, a member of the immunoglobulin superfamily expressed on natural killer cells, natural killer T cells, activated and/or memory CD4 and CD8 T cells, gamma/delta T cells, and intraepithelial cells. CD160 has been reported to bind herpes virus entry mediator (HVEM) in a complex with LIGHT and BTLA to deliver an inhibitory signal to CD4 T cells that abrogates proliferation and cytokine production. Three alternative splice variants of CD160 have also been identified in natural killer cells.

Applications Reported

This BY55 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BY55 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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.

References

Cai G, Freeman GJ. The CD160, BTLA, LIGHT/HVEM pathway: a bidirectional switch regulating T-cell activation. Immunol Rev. 2009 May;229(1):244-58.

Giustiniani J, Bensussan A, Marie-Cardine A. Identification and characterization of a transmembrane isoform of CD160 (CD160-TM), a unique activating receptor selectively expressed upon human NK cell activation. J Immunol. 2009 Jan 1;182(1):63-71.

Cai G, Anumanthan A, Brown JA, Greenfield EA, Zhu B, Freeman GJ.CD160 inhibits activation of human CD4+ T cells through interaction with herpesvirus entry mediator. Nat Immunol. 2008 Feb;9(2):176-85.

Bensussan A, Gluckman E, el Marsafy S, Schiavon V, Mansur IG, Dausset J, Boumsell L, Carosella E. BY55

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monoclonal antibody delineates within human cord blood and bone marrow lymphocytes distinct cell subsets mediating cytotoxic activity. Proc Natl Acad Sci U S A. 1994 Sep 13;91(19):9136-40. (**BY55**, FC, Pubmed)

Related Products

12-0037 Anti-Human CD3 PE (OKT3)
12-0567 Anti-Human CD56 (NCAM) PE (CMSSB)

Legal

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