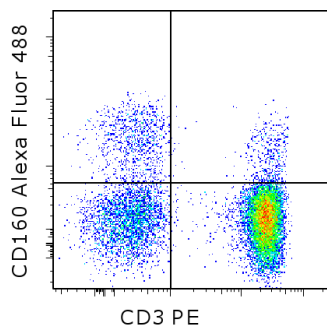


## Anti-Human CD160 Alexa Fluor® 488

**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



**Catalog Number:** 53-1609

**Clone:** BY55

**Concentration:** 5 µL (0.25 µg)/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.



**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<sup>5</sup> to 10<sup>8</sup> 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, Bousmell L, Carosella E. BY55

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) • [info@ebioscience.com](mailto:info@ebioscience.com)

---

## 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.**

---

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

Alexa Fluor® and Pacific Blue® are registered trademarks of and licensed under patents assigned to Molecular Probes, Inc. for research use only. This product is subject to an agreement between Molecular Probes, Inc. and eBioscience, and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications and corresponding foreign equivalents, owned by Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corp). The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product for life science research or as an ASR. The buyer cannot use this product for manufacturing or for any other screening (specifically including use in combination with microarrays or High Content Screening) or testing purpose, other than as an ASR. For information on purchasing a license to this product for purposes other than life science research or use as an ASR, contact Molecular Probes, Inc.

---

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) •  
[info@ebioscience.com](mailto:info@ebioscience.com)