SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD160

Catalog # / Size: 2306020 / 100 tests
2306015 / 25 tests

Clone: BY55

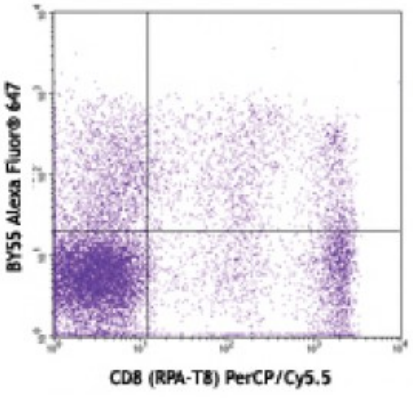
Isotype: Mouse IgM, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes stained with BY55 Alexa Fluor® 647 and CD8 (RPA-T8) PerCP/Cy5.5

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

Application References:

1. Anumanthan A, *et al.* 1998. *J. Immunol.* 161:2780.
2. Maiza H, *et al.* 1993. *J. Exp. Med.* 178:1121. PubMed
3. Cosgrove C, *et al.* 2014. *PLoS One.* 9:105950. PubMed
4. Perreau M, *et al.* 2014. *J Exp Med.* 211:2033. PubMed

Description: CD160 is a 27 kD GPI-anchored glycoprotein also known as BY55, NK1, and NK28. A member the Ig superfamily, CD160 exists as a disulfide-bond multimer, expressed on the surface of a subpopulation of NK cells, γ/δ T cells, subset of CD8+ T cells, and intestinal intraepithelial lymphocytes (IEL). CD160 plays costimulatory roles through binding to classical and nonclassical MHC-I molecules.

Antigen References:

1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers* Wiley-Liss A John Wiley & Sons Inc, Publication.
2. Merino J, *et al.* 2007. *Clin. Exp. Immunol.* 149:87.
3. Barakonyi A, *et*