TECHNICAL DATA SHEET

PerCP-Cyanine5.5 Anti-Human CD200 (OX-104)

Catalog Number: 65-9200

PRODUCT INFORMATION

Contents: PerCP-Cyanine5.5 Anti-Human CD200 (OX-104)

Isotype: Mouse IgG1, kappa

Concentration: 5µl (0.25 µg)/test

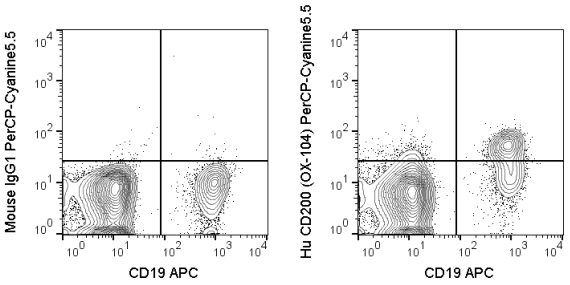
Clone: OX-104

Reactivity: Human

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH_2PO_4, 150 mM NaCl, 0.09% NaN_3, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stained with APC Anti-Human CD19 (20-0199) and 5 uL (0.25 ug) PerCP-Cyanine5.5 Anti-Human CD200 (65-9200) (right panel) or 0.25 ug PerCP-Cyanine5.5 Mouse IgG1 isotype control (left panel).

DESCRIPTION

The OX-104 monoclonal antibody reacts with human CD200, a 40-45kD transmembrane glycoprotein that is also known as OX2. CD200 is a member of the Ig superfamily and is expressed by various cell types, including B cells, a subset of T cells, follicular dendritic cells, endothelial cells, neurons, and a subset of CD34 positive progenitor cells. The interaction between CD200 and its receptor, CD200R, is of importance in the control of macrophage and granulocyte activation and may contribute to pathways that suppress and limit their activity in a variety of tissues, suggesting a regulatory function for CD200.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

REFERENCES

Hoek RM, Ruuls SR, Murphy CA, et al. 2000. Science. 290(5497):1768-1771. Wright GJ, Puklavec MJ, Willis AC, et al. 2000. Immunity. 13(2):233-242. Rygiel TP, Meyaard L. 2012. Curr Opin Immunol. Apr;24(2):233-238. Poh SL, Linn YC. 2016. Cancer Immunol Immunother. May;65(5):525-536. Manich G, Recasens M, Valente T, Almolda B, González B, Castellano B. 2018. Neuroscience. Oct 24. pii: S0306-4522(18)30693-30696.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.