

TECHNICAL DATA SHEET

PerCP-Cyanine5.5 Anti-Human CD274 (PD-L1, B7-H1) (29E.2A3)

Catalog Number: 65-5984

PRODUCT INFORMATION

Contents: PerCP-Cyanine5.5 Anti-Human CD274 (PD-L1, B7-H1) (29E.2A3)

Isotype: Mouse IgG2b, kappa

Concentration: 5µl (1µg)/test

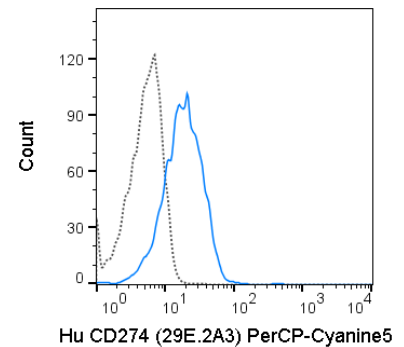
Clone: 29E.2A3

Reactivity: Human

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



Human PBMC were stimulated for 3 days with PHA and stained with 5 µL (1 µg) PerCP-Cyanine5.5 Anti-Human CD274 (65-5984) (solid line) or 1 µg PerCP-Cyanine5.5 Mouse IgG2b isotype control (dashed line).

DESCRIPTION

The 29E.2A3 antibody reacts with human CD274 which is also known as PD-L1 or B7-H1. CD274 is a type 1 transmembrane glycoprotein and a member of the Ig superfamily. PD-L1 is a ligand for CD279 (PD-1) and plays an important role in regulating immune cell responses. CD274 is expressed on activated monocytes, macrophages, dendritic cells, and T cells.

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 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

REFERENCES

Freeman GJ, Long AJ, Iwai Y, et al. 2000. J Exp Med. 192:1027-1034. Latchman Y, Wood CR, Chernova T, et al. 2001. Nat Immunol. 2(3):261-268. Bennett F, Luxenberg D, Ling V, et al. 2003. J Immunol. 170:711-718. Brown JA, Dorfman DM, Ma FR, et al. 2003. J Immunol. 170:1257-1266. Carter L, Fouser LA, Jussif J, et al. 2002. Eur J Immunol. 32:634-643.

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.

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