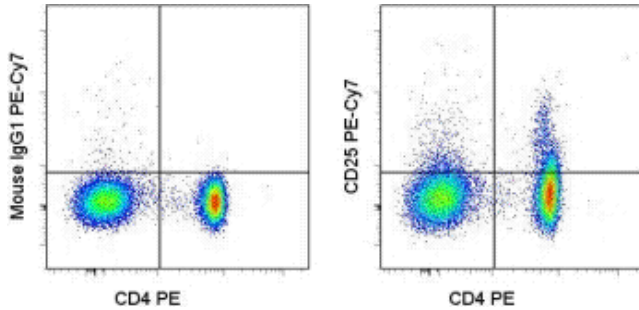


Anti-Human CD25 PE-Cyanine7

Catalog Number: 25-0259

Also Known As: Interleukin-2 Receptor alpha, IL-2Ra, IL2Ra

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD4 PE (cat. 12-0049) and Mouse IgG1 kappa Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or Anti-Human CD25 PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD25 PE-Cyanine7

REF **Catalog Number:** 25-0259

Clone: BC96

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: V T-072

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Contains sodium azide

Description

The BC96 monoclonal antibody reacts with human CD25, the 55 kDa interleukin-2 receptor α chain (IL-2R α). CD25 is expressed by early progenitors of T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor β chain) and CD132 (common γ chain) to form the high affinity IL-2 receptor. CD25 plays a role in lymphocyte differentiating and activation/proliferation.

Applications Reported

The BC96 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BC96 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

Schlossman, S., L. Bloumsell, et al. eds. (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

12-0049 Anti-Human CD4 PE (RPA-T4)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

Legal

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