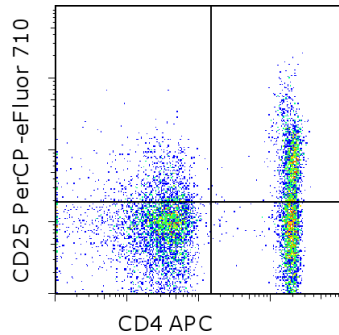


Anti-Human/Non-Human Primate CD25 PerCP-eFluor[®] 710

Catalog Number: 46-0257

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 APC (cat. 17-0049) and Anti-Human CD25 PerCP-eFluor[®] 710. Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Non-Human Primate CD25 PerCP-eFluor[®] 710

Catalog Number: 46-0257

Clone: CD25-4E3

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Mouse IgG2b

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

Contains sodium azide

REF



LOT



Description

This CD25-4E3 monoclonal antibody reacts to human CD25, which is also known as the low-affinity interleukin (IL)-2 receptor α . CD25 is expressed on a subset of T cells (many of which are regulatory T cells), activated T and B cells, and macrophages. This receptor subunit associates with CD122, the IL-2 receptor β chain, and CD132, the common γ chain, to form the high-affinity IL-2 receptor. IL-2 receptor signaling has been linked to cell proliferation and survival in lymphocytes. CD25 is a marker for Hodgkin's disease, and has been associated with such autoimmune diseases as Type I diabetes.

This monoclonal antibody is cross-reactive to rhesus monkey.

Applications Reported

This CD25-4E3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This CD25-4E3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.06 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.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

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.

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References

Wang J, Wicker LS, Santamaria P. IL-2 and its high-affinity receptor: genetic control of immunoregulation and autoimmunity. *Semin Immunol.* 2009 Dec;21(6):363-71.

Engert A, Martin G, Amlot P, Wijdenes J, Diehl V, Thorpe P. Immunotoxins constructed with anti-CD25 monoclonal antibodies and deglycosylated ricin A-chain have potent anti-tumour effects against human Hodgkin cells in vitro and solid Hodgkin tumours in mice. *Int J Cancer.* 1991 Sep 30;49(3):450-6. (CD25-4E3)

Related Products

17-0049 Anti-Human CD4 APC (RPA-T4)

17-4776 Anti-Human Foxp3 APC (PCH101)

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