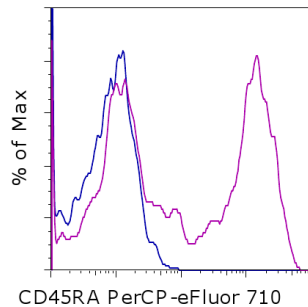


Anti-Human/Non-Human Primate CD45RA PerCP-eFluor[®] 710

Catalog Number: 46-0468

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



Staining of normal rhesus peripheral blood cells with Mouse IgG1 K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4714) (blue histogram) or Anti-Human/Non-Human Primate CD45RA PerCP-eFluor[®] 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Non-Human Primate CD45RA PerCP-eFluor[®] 710

REF **Catalog Number:** 46-0468

Clone: GRT22

Concentration: 5 uL (0.06 ug)/test

Host/Isotype: Mouse IgG1, kappa

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



Description

This GRT22 monoclonal antibody reacts with human and non-human primate CD45RA, a 220 kDa molecule expressed by subpopulations of CD4+ and CD8+ naïve peripheral T lymphocytes and B cells.

The GRT22 antibody crossreacts to rhesus CD45RA. Crossblocking studies indicate that GRT22 and HI100 recognize different epitopes.

Applications Reported

This GRT22 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This GRT22 antibody has been pre-titrated and tested by flow cytometric analysis of normal human and rhesus peripheral blood cells. This can be used at 5 uL (0.06 ug) per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ 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 uL cell sample + 100 uL 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

Matutes E, Brito-Babapulle V, Swansbury J, Ellis J, Morilla R, Dearden C, Sempere A, Catovsky D. Clinical and laboratory features of 78 cases of T-prolymphocytic leukemia. Blood. 1991 Dec 15;78(12):3269-74. (**GRT22**, ICC)

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Worner I, Matutes E, Beverley PC, Catovsky D. The distribution of CD45R, CD29 and CD45RO (UCHL1) antigens in mature CD4 positive T-cell leukaemias. *Br J Haematol.* 1990 Apr;74(4):439-44. (**GRT22**)

Ruiz-Cabello F, Huelin C, Pedrinaci S, Lopez Nevot MA, Garrido F. Different CD45 and CD45R epitopes involved in T cell proliferation and NK cytotoxicity. *Hybridoma.* 1989 Feb;8(1):1-11. (**GRT22**)

Knapp, W., B. Dorken, et al. *Leucocyte Typing IV: White Cell Differentiation Antigens.* 1989. Oxford University Press. New York.

Related Products

12-0457 Anti-Human CD45RO PE (UCHL1)

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)

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