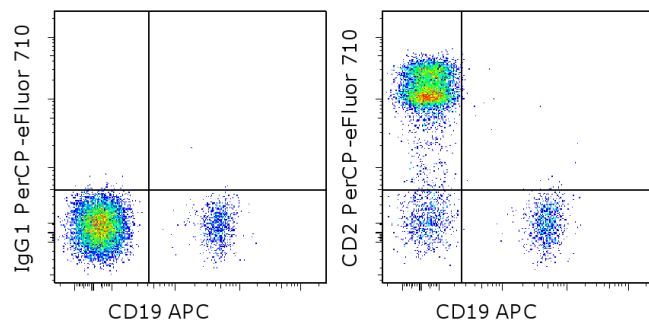


Anti-Human/Non-Human Primate CD2 PerCP-eFluor® 710

Catalog Number: 46-0029

Also known as: LFA-2, Ly-37

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



Staining of normal human peripheral blood cells with Anti-Human CD19 APC (cat. 17-0199) and Mouse IgG1 kappa Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (left) or Anti-Human CD2 PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Human/Non-Human Primate CD2 PerCP-eFluor® 710

Catalog Number: 46-0029

Clone: RPA-2.10

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: IV T085



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

The RPA-2.10 monoclonal antibody reacts with human CD2, a 50 kDa cell surface receptor expressed by a majority of thymocytes, all mature T cells and subset of NK cells. CD2 is a ligand for CD58 in the human and is involved in adhesion and activation of T cells. RPA-2.10 blocks mixed lymphocyte reaction.

RPA-2.10 crossreacts to non-human primates and pigs.

Applications Reported

This RPA-2.10 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This RPA-2.10 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. 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

Kap YS, van Meurs M, van Driel N, Koopman G, Melief MJ, Brok HP, Laman JD, 't Hart BA. A monoclonal antibody

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selection for immunohistochemical examination of lymphoid tissues from non-human primates. J Histochem Cytochem. 2009 Dec;57(12):1159-67. (RPA-2.10, IHC frozen, primate, PubMed)

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

Aversa GG, Bishop GA, Suranyi MG, Hall BM. (1987). RPA-2.10: an anti-CD2 monoclonal antibody that inhibits alloimmune responses and monitors T cell activation. Transplant Proc. 19:277-8

Related Products

00-4300 10X RBC Lysis Buffer (Multi-species)

17-0199 Anti-Human CD19 APC (HIB19)

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