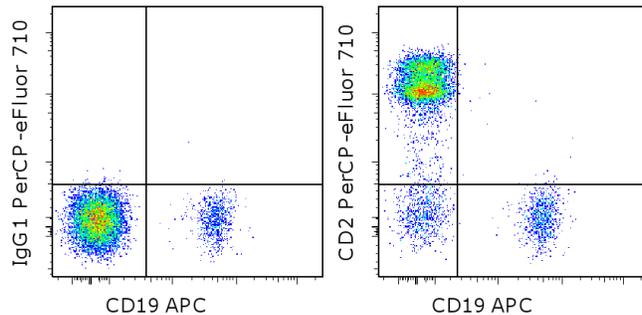


## Anti-Human/Non-Human Primate CD2 PerCP-eFluor<sup>®</sup> 710

**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<sup>®</sup> 710 (cat. 46-4714) (left) or Anti-Human CD2 PerCP-eFluor<sup>®</sup> 710 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human/Non-Human Primate CD2 PerCP-eFluor<sup>®</sup> 710

**REF** **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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 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)

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