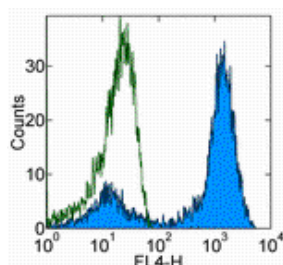


Anti-Human/Non-Human Primate CD2 APC

Catalog Number: 17-0029

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 Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (open histogram) or Anti-Human CD2 APC (filled histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human/Non-Human Primate CD2 APC

REF **Catalog Number:** 17-0029

Clone: RPA-2.10

Concentration: 5 µL (0.125 µg)/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.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains 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.

References

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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)