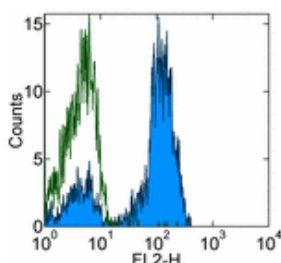


## Anti-Human/Non-Human Primate CD2 Purified

Catalog Number: 14-0029

Also Known As: LFA-2, Ly-37

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.25 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25 µg of Anti-Human CD2 Purified (filled histogram) followed by Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

### Product Information

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

**REF** Catalog Number: 14-0029

Clone: RPA-2.10

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: IV T085

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



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

The RPA-2.10 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections. RPA-2.10 has also been reported for use *in vitro* blocking of human CD2 (LFA-2). (Please use Functional Grade purified RPA-2.10, cat. 16-0029, in functional assays.)

### Applications Tested

This RPA-2.10 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.5 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### 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

11-4011 Anti-Mouse IgG FITC

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

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