
Anti-Human/Non-Human Primate CD2 Functional Grade Purified

Catalog Number: 16-0029

Also Known As: LFA-2, Ly-37

RUO: For Research Use Only

Product Information

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

REF **Catalog Number:** 16-0029

Clone: RPA-2.10

Concentration: 1 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: IV T085

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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 been reported for use in flow cytometric analysis. RPA-2.10 has also been reported in blocking of CD2 activity in *in vitro* 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 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 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

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified

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