

CD2 Monoclonal Antibody (RPA-2.10), FITC, eBioscience™

Product Details	
Size	25 Tests
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RPA-2.10
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10718390

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	4 Publications

Product Specific Information

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.

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 (0.25 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 10^5 to 10^8 cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

5 References

Immunohistochemistry (Frozen) (1)

The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society

Year
2009

A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates.

Authors: Kap YS, van Meurs M, van Driel N, Koopman G, Melief MJ, Brok HP, Laman JD, 't Hart BA

Flow Cytometry (4)

Bio-protocol

Year
2021

In vitro and *In vivo* CD8⁺ T Cell Suppression Assays.

"11-0029-42 was used in Flow cytometry/Cell sorting to present our adapted protocol for assaying the CD8+CD28- T suppressor cells allospecific suppression of CFSE-labeled responder T cells."

Species
Human

Authors: Xie L, Liu G, Liu Y, Yu Y

Biophysical journal

Year
2019

Constraints on GPCR Heterodimerization Revealed by the Type-4 Induced-Association BRET Assay.

"Published figure using CD2 monoclonal antibody (Product # 11-0029-42) in Flow Cytometry"

Authors: Felce JH, MacRae A, Davis SJ

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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