

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

## Product Details

Size	25 Tests
Species Reactivity	Baboon, Chimpanzee, Cynomolgus monkey, Human, Non-human primate, Pig, Rhesus monkey
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
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	3 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.

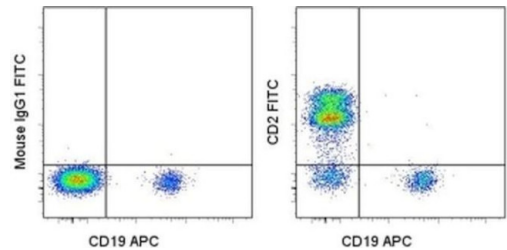
**Applications Reported:** The RPA-2.10 antibody has been reported for use in flow cytometric analysis.

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

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

**Filtration:** 0.2 µm post-manufacturing filtered.

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



**CD2 Antibody (11-0029-41) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (left) or Anti-Human/Non-Human Primate CD2 FITC (right). Cells in the lymphocyte gate were used for analysis.

4 References

Immunohistochemistry (Frozen) (1)

<p>The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society</p> <p><b>A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates.</b></p> <p>Authors: Kap YS,van Meurs M,van Driel N,Koopman G,Melief MJ,Brok HP,Laman JD,'t Hart BA</p>	<p>Year 2009</p>
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Flow Cytometry (3)

<p>Biophysical journal</p> <p><b>Constraints on GPCR Heterodimerization Revealed by the Type-4 Induced-Association BRET Assay.</b></p> <p>"Published figure using CD2 monoclonal antibody (Product # 11-0029-42) in Flow Cytometry"</p> <p>Authors: Felce JH,MacRae A,Davis SJ</p>	<p>Year 2019</p>
<p>Acta neuropathologica</p> <p><b>Peripheral monocytes are functionally altered and invade the CNS in ALS patients.</b></p> <p>"11002942 was used in flow cytometry to find that central nervous system infiltration of peripheral monocytes correlates with improved motor neuron survival in a genetic amyotrophic lateral sclerosis mouse model"</p> <p>Authors: Zondler L,Müller K,Khalaji S,Bliederhäuser C,Ruf WP,Grozdanov V,Thiemann M,Fundel-Clemes K,Freischmidt A,Holzmann K,Strobel B,Weydt P,Witting A,Thal DR,Helferich AM,Hengerer B,Gottschalk KE,Hill O,Kluge M,Ludolph AC,Danzer KM,Weishaupt JH</p>	<p>Year 2016</p> <p>Species Human</p> <p>Dilution 1:20</p>

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

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