

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

Product Details	
Size	100 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
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10732342

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.

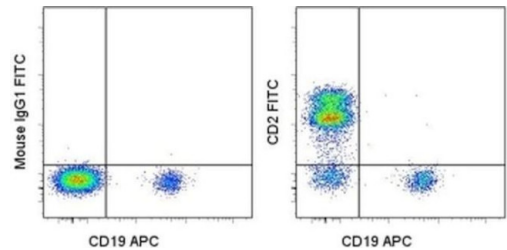
Applications Reported: The RPA-2.10 antibody has been reported for use in flow cytometric analysis.

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 10⁵ to 10⁸ 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 (11-0029-42) 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.

5 References

Immunohistochemistry (Frozen) (1)

<p>The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society</p> <p>A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates.</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 (4)

<p>Bio-protocol</p> <p><i>In vitro</i> and <i>In vivo</i> CD8⁺ T Cell Suppression Assays.</p> <p>"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."</p> <p>Authors: Xie L,Liu G,Liu Y,Yu Y</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Biophysical journal</p> <p>Constraints on GPCR Heterodimerization Revealed by the Type-4 Induced-Association BRET Assay.</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>

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