

CD5 Monoclonal Antibody (UCHT2), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
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	UCHT2
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_2572433

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	5 µL (1 µg)/test	3 Publications

Product Specific Information

Description: The UCHT2 monoclonal antibody reacts with human CD5, a 67 kDa protein expressed by a majority of thymocytes and mature T cells and a subset of B cells. Signaling through the CD5 molecule activates T cells and binding of CD5 to its ligand on B cells, CD72, and plays an important role in T-B interaction and proliferation.

The monoclonal antibody UCHT2 recognizes primate CD5.

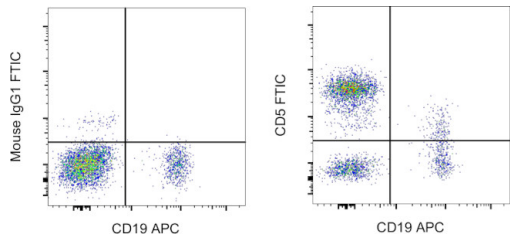
Applications Reported: The UCHT2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This UCHT2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (1 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 CD5 Monoclonal Antibody (UCHT2), FITC, eBioscience™



CD5 Antibody (11-0059-42) in Flow
Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, APC (Product # 17-0199-42) and Mouse IgG1 kappa Isotype Control, FITC (Product # 11-4714-82) (left) or CD5 Monoclonal Antibody, 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>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 (3)

<p>Stem cell reports</p> <p>Targeted Disruption of TCF12 Reveals HEB as Essential in Human Mesodermal Specification and Hematopoiesis.</p> <p>"Published figure using CD5 monoclonal antibody (Product # 11-0059-42) in Flow Cytometry"</p> <p>Authors: Li Y,Brauer PM,Singh J,Xhiku S,Yoganathan K,Zúñiga-Pflücker JC,Anderson MK</p>	<p>Year 2017</p>
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<p>Cell</p> <p>Systemic Human ILC Precursors Provide a Substrate for Tissue ILC Differentiation.</p> <p>"11-0059 was used in Flow cytometry/Cell sorting to identify circulating and tissue ILC precursors in humans that fail to express the transcription factors and cytokine outputs of mature ILCs but have these signature loci in an epigenetically poised configuration."</p> <p>Authors: Lim AI,Li Y,Lopez-Lastra S,Stadhouders R,Paul F,Casrouge A,Serafini N,Puel A,Bustamante J,Surace L,Masse-Ranson G,David E,Strick-Marchand H,Le Bourhis L,Cocchi R,Topazio D,Graziano P,Muscarella LA,Rogge L,Norel X,Sallenave JM,Allez M,Graf T,Hendriks RW,Casanova JL,Amit I,Yssel H,Di Santo JP</p>	<p>Year 2017</p> <p>Species Human</p>
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