

CD5 Monoclonal Antibody (UCHT2), Alexa Fluor™ 700, eBioscience™

| Product Details | |
|-----------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 700, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | UCHT2 |
| Conjugate | Alexa Fluor™ 700 |
| Excitation/Emission Max | 696/719 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_2848455 |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|---------------|
| Flow Cytometry (Flow) | 5 µL (0.25 µg)/test | 1 Publication |

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.

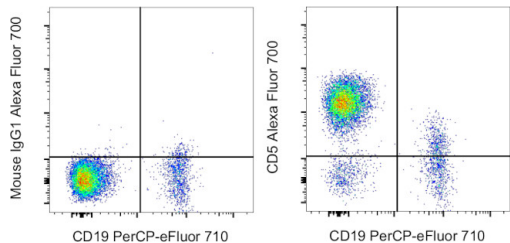
Applications Reported: This UCHT2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This UCHT2 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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.

Alexa Fluor 700 emits at 723 nm and can be excited with the red laser (633-647 nm). Most instruments will require a 685 LP mirror and 710/20 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Product Images For CD5 Monoclonal Antibody (UCHT2), Alexa Fluor™ 700, eBioscience™



CD5 Antibody (56-0059-42) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, PerCP-eFluor 710 (Product # 46-0198-42) and Mouse IgG1 kappa Isotype Control, Alexa Fluor 700 (Product # 56-4714-80) (left) or CD5 Monoclonal Antibody, Alexa Fluor 700 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

| | |
|---|------|
| Stem cell reports | Year |
| Targeted Disruption of TCF12 Reveals HEB as Essential in Human Mesodermal Specification and Hematopoiesis. | 2017 |
| "Published figure using CD5 monoclonal antibody (Product # 56-0059-42) in Flow Cytometry" | |
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