

## Datasheet

### CD5 monoclonal antibody, clone CRIS1 (FITC)

**Catalog Number:** MAB4445

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native CD5.

**Clone Name:** CRIS1

**Immunogen:** Native purified CD5 from human stimulated leukocytes.

**Host:** Mouse

**Theoretical MW (kDa):** 67

**Reactivity:** Human

**Applications:** Flow Cyt, IHC-Fr, IP, WB  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody reacts with the cell surface glycoprotein CD5, a 67KDa single-chain transmembrane glycoprotein expressed on mature T lymphocytes, most of thymocytes and B lymphocytes subset (B-1a lymphocytes).

**Form:** Liquid

**Conjugation:** FITC

**Isotype:** IgG2a

**Recommend Usage:** Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or  $10^6$  cells in a suspension)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 921

**Gene Symbol:** CD5

**Gene Alias:** LEU1, T1

#### References:

1. Conformation of the hypervariable region L3 without the key proline residue. Guarne A, Bravo J, Calvo J, Lozano F, Vives J, Fita I. *Protein Sci.* 1996 Jan;5(1):167-9.
2. Intracellular events involved in CD5-induced human T cell activation and proliferation. Alberola-Ila J, Places L, Cantrell DA, Vives J, Lozano F. *J Immunol.* 1992 Mar 1;148(5):1287-93.
3. Cellular immunity analysis using monoclonal antibodies in human glomerulonephritis. Arrizabalaga P, Mirapeix E, Darnell A, Torras A, Revert L. *Nephron.* 1989;53(1):41-9.