CD5 monoclonal antibody, clone CRIS1 (PE)

Catalog # MAB4446 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD5.
Immunogen	Native purified CD5 from human stimulated leukocytes.
Host	Mouse
Theoretical MW (kDa)	67
Reactivity	Human
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	PE
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Flow Cytometry
- Immunoprecipitation
- Western Blot

Gene Info — CD5

Entrez GeneID	921
Gene Name	CD5
Gene Alias	LEU1, T1
Gene Description	CD5 molecule
Omim ID	153340
Gene Ontology	Hyperlink
Other Designations	CD5 antigen (p56-62)

Publication Reference

- Conformation of the hypervariable region L3 without the key proline residue.

  Guarne A, Bravo J, Calvo J, Lozano F, Vives J, Fita I.

  Protein Science: a Publication of the Protein Society 1996 Jan; 5(1):167.

- Intracellular events involved in CD5-induced human T cell activation and proliferation.

  Alberola-Ila J, Places L, Cantrell DA, Vives J, Lozano F.

  Journal of Immunology (Baltimore, Md. : 1950) 1992 Mar; 148(5):1287.

- Cellular immunity analysis using monoclonal antibodies in human glomerulonephritis.

  Arrizabalaga P, Mirapeix E, Darnell A, Torras A, Revert L.

  Nephron 1989 Jan; 53(1):41.

Pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hematopoietic cell lineage

Disease

- DNA Damage
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Leukemia
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.