

Polyclonal Antibody to Microphthalmia (Mi-Protein, MiTF) - Aff - Purified

Catalog No.:	15-288-21421
Quantity:	0.1 mg
Background:	<p>The CD5 antigen is a single-chain glycoprotein with a molecular weight of 67 kDa (1, 2). The CD5 molecule is found on all mature T cells and on most Thymocytes. CD5 antigen is also present on B cell subset but is not found on Granulocytes and Monocytes. CD5 is a ligand for the CD72 antigen, which is present on B cells(3). The CD5/CD72 interactions may be involved in the regulating T and B cells activation and proliferation (4, 5). BL1a antibody has been assigned to the CD5 cluster of differentiation during the third International Workshop on Human Leucocyte Differentiation Antigens in Oxford, 1986 (1,2).</p>
Host / Isotype:	Chicken
Immunogen:	Human thoracic duct lymphocytes (TDL)
Format:	<p>State: Lyophilized purified Ig fraction. Buffer System: PBS containing 1 mg/ml BSA as stabilizer containing no preservatives. Reconstitution: Restore with 1 ml distilled water.</p>
Applications:	<p>Flow Cytometry and Fluorescence Microscopy: 2 µg/5x10⁵ cells/test. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>Species: Human. Others not tested.</p>
Storage:	<p>Store the reconstituted antibody at 2-8°C for one month (add 0.09% Sodium Azide) or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
General References:	<ol style="list-style-type: none">Horesi, V., et al., (1987), Comparative biochemical studies on the workshop CD5 and CD3 panel antibodies, in Leucocyte Typing III, White Cell Differentiation Antigens, McMichael, A.J., et al., Oxford University Press, 197.Disanto, J.P., et al., (1987), Analysis of human CD8 and CD5 antigens expressed on mouse L-lines, in Leucocyte Typing III, White Cell Differentiation Antigens, McMichael, A.J., et al., Oxford University Press, 210-214.Van de Velde, H., et al., (1991), The B-cell surface protein CD72/Lyb-2 is the ligand for CD5, Nature, 351, 662-665.Tarakhovsky, A., et al., (1995), A role for CD5 in TcR-mediated signal transduction and thymocyte selection, Science, 269, 535-537.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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5. Casali, P., et al., (1989), CD5+ B lymphocytes, polyreactive antibodies and the human B-cell repertoire, Immunol. Today, 10, 364-368.

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