SPECIFICITY
The CD5 antigen is a single-chain transmembrane glycoprotein with a molecular weight of 67 kDa (1, 2).

The CD5 molecule is expressed at the surface of mature T lymphocytes, by the majority of thymocytes and by a subpopulation of B lymphocytes (1–3). Its expression is not found in granulocytes, monocytes and platelets (3).

The CD5 antigen is the ligand for the B-lymphocytes cell-surface protein CD72 (4).

The BL1a monoclonal antibody was assigned to CD5 during the 3rd HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Oxford, England, in 1986 (Code WS: 520, Section T) (1, 2).

REAGENT
IOTest CD5-Pacific Blue
Conjugated antibody
PN A82790 - 50 tests - Liquid - 10 µL/test*

Clone    BL1a
Isotype   IgG2a, Mouse
Immunogen Lymphatic lymphocytes
Hybridoma PP2/0 x spleen B cells
Source    Ascites fluid
Purification Affinity chromatography
Conjugation Pacific Blue (Pacific Blue)
Molar Ratio Pacific Blue / Ig: 5.30 - 6.60
Fluorescence Excites at 405 nm
Emits at 455 nm

REAGENT CONTENTS
This antibody is provided in phosphate-buffered saline, containing 0.1% sodium azide and 2 mg/mL bovine serum albumin.

STATEMENTS OF WARNING
1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.

2. Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.

3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.

4. Do not use antibody beyond the expiration date on the label.

5. Do not expose reagents to strong light during storage or incubation.

6. Avoid microbial contamination of reagents or incorrect results might occur.

7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2–8°C. Do not freeze.

REAGENT PREPARATION
No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18–25°C prior to use.

SELECTED RESEARCH REFERENCES


TRADEMARKS
Beckman Coulter, the Beckman Coulter logo, and IOTest are registered trademarks of Beckman Coulter, Inc.

Pacific Blue is a registered trademark of Molecular Probes, Inc.

MANUFACTURED BY:
IMMUNOTECH SAS
a Beckman Coulter Company
130, avenue de Lattre de Tassigny
B.P. 177 - 13276 Marseille Cedex 9
France

For additional information in the USA, call 800-526-7694. Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

Printed in France.
Made in France.

©2009 Beckman Coulter, Inc.