**SPECIFICITY**
The CD21 antigen is a 145 kDa transmembrane glycoprotein that belongs to the gene family of complement regulatory proteins. It is the receptor for C3d and for Epstein-Barr virus (EBV).
The BL13 monoclonal antibody (mAb) recognizes a 140 kDa antigen present on B lymphocytes located in the clear centers of the secondary lymphoid follicles of lymph nodes and tonsils (1). It does not react with circulating B lymphocytes, T lymphocytes, monocytes and granulocytes.
The BL13 mAb was clustered as CD21 during the 2nd HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Boston, US, in 1984 (Code WS: B35, Section B-cells/Leukaemia) (2). It was studied during the 3rd HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Oxford, England, in 1986 (Section B-cells antigens) (3).

**REAGENT**
IOTest® CD21-PE Conjugated Antibody
PN A32536 – Liquid 2 mL – 20 µL / test* – Clone BL13

**Isotype**
IgG1 (kappa), mouse

**Immunogen**
Human B-CLL lymphocytes

**Hybridoma**
Myeloma SP2/0-Ag 1.4 x Balb/c spleen cells

**Source**
Ascites fluid

**Purification**
Ion exchange or affinity chromatography

**Conjugation**
R-phycoerythrin (PE) is conjugated at 0.5 – 1.5 moles of PE per mole of Ig.

**Excitation wavelength:** 488 nm

**Maximum emission wavelength:** 575 nm

**Main emission color:** Orange-red.

**STATEMENT OF WARNINGS**
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 handled as if capable of transmitting infection 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 reagent beyond the expiration date on the vial label.
5. Minimize exposure of reagent to light during storage or incubation.
6. Avoid microbial contamination of reagent or erroneous results may occur.
7. Use good laboratory practices when handling this reagent.

**STORAGE CONDITIONS AND STABILITY**
This reagent is stable up to the expiration date printed on the vial label when stored at 2 – 8°C in the dark. Do not freeze. Minimize exposure to light.

**EVIDENCE OF DETERIORATION**
Any change in the physical appearance of this PE-labeled reagent (clear, colorless to pink liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

**PRODUCT AVAILABILITY**
IOTest® CD21-PE Conjugated Antibody
PN A32536 – Liquid 2 mL – 20 µL / test*

PE is licensed under patent 4,520,110

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

www.beckmancoulter.com

**TRADEMARKS**
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