

Datasheet for ABIN6253869

anti-CD21 antibody





Go to Product page

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Background:

| Quantity: | 5 mL | |
|---------------------------------------|--|--|
| Target: | CD21 (CR2) | |
| Reactivity: | Human | |
| Host: | Mouse | |
| Clonality: | Monoclonal | |
| Conjugate: | This CD21 antibody is un-conjugated | |
| Application: | Flow Cytometry (FACS), Immunocytochemistry (ICC) | |
| Product Details | | |
| Clone: | B-ly4 | |
| | | |
| Isotype: | lgG1 | |
| Specificity: | B-ly4, produces mouse IgG1 immunoglobulins directed against a 145 kD polypeptide of the human C3d receptor | |
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| Specificity: Purity: Target Details | B-ly4, produces mouse IgG1 immunoglobulins directed against a 145 kD polypeptide of the human C3d receptor PURE | |

Antigen distribution: The CD21 antigen is expressed on mature B cells, follicular dendritic cells and pharyngeal and cervical epithelial cells [1,2]. CD21, also known as the Complement receptor

type 2 (CR2) or Epstein-Barr virus (EBV) receptor, is a receptor for the C3 activation fragments

Target Details

iC3b and C3d. CD21 antibodies have been shown to bind CD23 and IFN-a. CD21 is part of a multimeric complex on B cells which includes CD19 and CD81 [3]. B-ly4 was clustered at the Leucocyte Typing Workshop IV [5].Cellular Expression: Mature B cells, follicular dendritic cells

Pathways:

Complement System

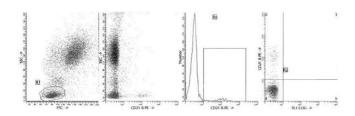
Application Details

| Application Notes: | immunohistochemistry on frozen tissue sections, immunohistochemistry on paraffin imbedded | |
|--------------------|---|--|
| | tissue sections | |
| Restrictions: | For Research Use only | |

Handling

| Format: | Liquid |
|----------|--------|
| Storage: | 4 °C |

Images



Flow Cytometry

Image 1. Clone B-ly4 (CD21) was analyzed by flow cytometry using a blood sample obtained from a healthy volunteer. Direct staining was performed using 10 μ l of the R-PE-conjugated monoclonal antibody and 100 μ l of blood sample.