

## ARG23372 anti-CD21 antibody [CC21] (FITC)

Package: 50 µg  
Store at: 4°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | FITC-conjugated Mouse Monoclonal antibody [CC21] recognizes CD21<br>Mouse anti Bovine CD21 monoclonal antibody, clone CC21 recognizes the bovine CD21 cell surface antigen, a ~145 kDa single pass type I membrane glycoprotein containing multiple sushi domains. CD21 is also known as complement receptor type 2. In cattle CD21 expression is restricted to B lymphocytes (Naessens et al. 1990). CD21 may be expressed on B cells as either a long or a short form (Pringle et al. 2012) Mouse anti bovine CD21, clone CC21 has been used to demonstrate the co-expression of CD21 with PrPc on B cells of scrapie infected sheep (Halliday et al. 2005). |
| Tested Reactivity   | Bov, Deer, Goat, Sheep   |
| Tested Application  | FACS   |
| Host                | Mouse  |
| Clonality           | Monoclonal   |
| Clone               | CC21   |
| Isotype             | IgG1   |
| Target Name         | CD21   |
| Species             | Bovine   |
| Conjugation         | FITC   |
| Alternate Names     | Cr2; Complement C3d receptor; C3DR; CD21; CD antigen CD21; Complement receptor type 2; SLEB9; CR; CVID7; Epstein-Barr virus receptor; EBV receptor   |

### Application Instructions

| Application table | Application  | Dilution    |
|-------------------|--|-------------|
|                   | FACS   | Neat - 1:10 |
| Application Note  | <p>FACS: Use 10 µl of the suggested working dilution to label 10<sup>6</sup> cells in 100 µl.<br/>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> |             |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Purification with Protein A.  |
| Buffer              | PBS, 0.09% Sodium azide and 1% BSA.   |
| Preservative        | 0.09% Sodium azide  |
| Stabilizer          | 1% BSA  |
| Concentration       | 0.1 mg/ml   |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be |

gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                |  |
|----------------|--|
| Gene Symbol    | CR2  |
| Gene Full Name | complement component (3d/Epstein Barr virus) receptor 2  |
| Background     | This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009] |
| Function       | Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation. [UniProt]   |
| Calculated Mw  | 113 kDa  |