

## Product datasheet for **AM05866RP-N**

### CD21 Mouse Monoclonal Antibody [Clone ID: CA2.1D6]

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Clone Name:            | CA2.1D6   |
| Applications:          | FC  |
| Recommended Dilution:  | Flow Cytometry.   |
| Reactivity:            | Canine, Equine, Feline  |
| Host:                  | Mouse   |
| Isotype:               | IgG1  |
| Clonality:             | Monoclonal  |
| Specificity:           | This antibody recognises CD21, a cell surface antigen expressed by canine B lymphocytes.  |
| Formulation:           | Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin<br>Label: PE<br>State: Lyophilised purified IgG<br>Label: R. Phycoerythrin (RPE) |
| Reconstitution Method: | Reconstitute with 1 ml distilled water  |
| Purification:          | Affinity chromatography on Protein G  |
| Conjugation:           | PE  |
| Storage:               | Prior to and following reconstitution store the antibody at 2-8°C.<br>DO NOT FREEZE!<br>This product is photosensitive and should be protected from light.              |
| Stability:             | Shelf life: one year from despatch.   |
| Database Link:         | <a href="#">Q5NT87</a>  |



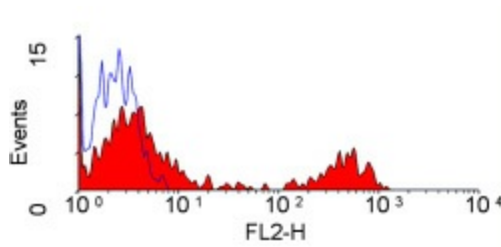
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**Background:**

CD21 also known as complement receptor 2 (CR2), C3d receptor or EBV receptor is a 140 kDa protein. CD21 is a glycosylated type I transmembrane protein consisting of an extracellular face of a series of 15 or 16 CCP domains. CD21 is the receptor for complement components C3d and iC3b as well as the Epstein-Barr virus (EBV) glycoprotein gp350/220. The soluble CD21 (sCD21) was shown to efficiently trigger CD23 signalling pathways in human monocytes. By inducing release of proinflammatory cytokines and upregulating expression of molecules involved in antigen presentation, sCD21 modulates critical monocyte functions that may be relevant to allergic and inflammatory disorders.

**Synonyms:**

Complement receptor type 2, CR2, C3DR, C3d receptor, EBV Receptor, Dendritic Cell Marker

**Product images:**

This antibody staining of canine peripheral blood lymphocytes