

## Product datasheet for **AM08109RP-N**

### CD21 (CR2) Mouse Monoclonal Antibody [Clone ID: BB6-11C9.6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BB6-11C9.6
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> $\leq 0.2 \mu\text{g}/10^6$ cells (Ref.4, 8-21). For Flow Cytometry, the suggested use of these reagents is in a final volume of 100ul.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This monoclonal antibody BB6-11C9.6 is specific to Porcine CD21 (Mr. 160 kDa). It stains the following percentages of surface immunoglobulin (sIg) positive cells in porcine lymphoid tissues: 92-96% in peripheral blood; 74-98% in mesenteric lymph nodes; 97-100% in ileal Peyer's patches (ILPP); 93-97% in spleen; and 0% in thymus. The antibody <b>does not</b> stain B cells in cord blood or spleen from Pig fetuses (105 days gestation).
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 3d receptor 2
Database Link:	<a href="#">Entrez Gene 1380 Human P20023</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	Complement receptor type 2, CR2, C3DR, C3d receptor, EBV Receptor, Dendritic Cell Marker
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	B cell receptor signaling pathway, Complement and coagulation cascades, Hematopoietic cell lineage