



## ***Anti-mouse C1q R1 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF1696

**Lot Number:** JND01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** mouse C1q R1

**Immunogen:** NS0-derived rmC1q R1 extracellular domain

**Ig Type:** mouse C1q R1 specific sheep IgG

**Applications:** Direct ELISA  
Western blot

### ***Preparation***

Produced in sheep with purified, NS0-derived, recombinant mouse Complement component C1q Receptor 1 (rmC1q R1) extracellular domain. Mouse C1q R1 specific IgG was purified by mouse C1q R1 affinity chromatography. C1q R1, also known as C1q Rp, CD93, Cell Surface Antigen AA4 and lymphocyte antigen 68, is a type I transmembrane protein. It contains a C-type lectin family domain and five EGF-like domains in its extracellular region, as well as a tyrosine kinase-recognition motif in its cytoplasmic region. It is most abundantly expressed on endothelial cells and platelets and is also expressed in neutrophils, glial cells and monocytes. C1q R1 is a marker for early multipotent hematopoietic cells and may participate in C1q/MBL/SPA-mediated enhancement of phagocytic function by monocytes.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for its ability to recognize mouse C1q R1 in direct ELISAs and western blots.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse C1q R1. The detection limit for rmC1q R1 is approximately 0.05 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse C1q R1. The detection limit for rmC1q R1 is approximately 20 ng/lane under non-reducing and reducing conditions.

**Optimal dilutions should be determined by each laboratory for each application.**