

Product datasheet for **CL200P**

C3 Rat Monoclonal Antibody [Clone ID: RMC11H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RMC11H9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot. Flow Cytometry. Immunofluorescence. Immunohistochemistry on Acetone Fixed Frozen Sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C57BL/6 thymocytes incubated with a rat IgG2b anti-murine Thy-1 (RmT1) and C57BL/6 serum (as a source for C1q). Donor: Lou/c rat spleen cells. Fusion Partner: Mouse myeloma cell line P3X63 Ag. 8.653.



Specificity: This antibody recognizes C3 as well as the breakdown products C3b, iC3b and C3dg.

Results of Tissue Distribution by Flow Cytometry Analysis:

Mouse strain: C57Bl/6

Cell concentration : 1×10^6 cells per test

Antibody Concentration Used: $1.0 \mu\text{g} / 10^6$ cells

Secondary Antibody: Goat anti-Rat IgG FITC (1/500 dilution)

Cell Source: Thymocytes incubated with anti-Mouse CD90 (*Cat.-No* CL039P), then incubated with fresh mouse serum (same strain) and stained as indicated below

Percentage of cells stained above control: 67.4% (see picture below)

Formulation: PBS containing 0.02% Sodium Azide as preservative.

State: Purified

State: Liquid purified IgG fraction.

Concentration: lot specific

Purification: Protein G Chromatography.

Conjugation: Unconjugated

Storage: Store the antibody undiluted at $2-8^{\circ}\text{C}$ for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: complement component 3

Database Link: [Entrez Gene 12266 Mouse P01027](#)

Background: C3 is the most abundant complement protein in serum. C3 and its cleavage products, C3a and C3b, play a central role in the complement activation cascade. C3b forms an integral part of the C3 and C5 convertases as it promotes complement activation and the subsequent formation of the membrane attack complex. C3a possesses anaphylatoxic as well as various immunoregulatory properties. Also, C3 has been implicated in developmental and non-inflammatory process such as hematopoiesis, skeletal and vascular development and reproduction.

Synonyms: CPAMD1, Complement component 3

Product images: