

# CERTIFICATE OF ANALYSIS

**Complement Technology, Inc.**  
4801 Troup Hwy, Suite 701  
Tyler, Texas 75703, USA

**Product: Rat C1q Protein**  
Catalog # **R099** Lot #  
Exp. Date:

**Description:** Purified Rat Complement Protein C1q

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL C1q C1q has an extinction coefficient of $E^{1\%/280nm} = 6.315^*$	1.03 mg/ml
FILL VOLUME	0.100 – 0.120 mL	0.110 mL
BUFFER	10 mM HEPES, 300 mM NaCl, pH 7.2	10 mM HEPES, 300 mM NaCl, pH 7.2
PRESERVATIVE	None, filtered through a 0.22 $\mu$ m pore size filter.	None, filtered through a 0.22 $\mu$ m pore size filter.
PURITY	$\geq 85\%$	$\geq 93\%$ by SDS PAGE
IMMUNOCHEMISTRY	$\leq$ trace amounts of IgG, IgM, albumin	Conforms
STARTING MATERIAL	Rat serum from healthy animals	Conforms
GENDER	Mixed	Conforms

\* Extinction coefficient is calculated from the amino acid sequence of rat C3 using ProtParam and assumes all pairs of Cys residues form cystines.

**STORE AT -70°C or BELOW.**  
**Thaw quickly at 37°C, mix, and put in an ice + water bath to cool.**  
**Avoid Repeated Freeze/Thaw**

FOR RESEARCH USE ONLY  
NOT FOR HUMAN OR DRUG USE

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Signature of Analyst

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Date of Analysis