

# CERTIFICATE OF ANALYSIS

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

Product: **Cyno Monkey C1q**  
Catalog # **CY099** Lot #  
Exp. Date:

**Description:** Purified Cynomolgus Monkey 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 $E^{1\%}_{280nm} = 6.82^*$	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
FUNCTIONAL ACTIVITY**	$\geq 70\%$ of C1q activity in normal cyno monkey serum (NCYS) on a mg/mg basis	$\geq 100\%$
IMMUNOCHEMISTRY	$\leq$ trace amounts of IgG, IgA, IgM and albumin	Conforms
STARTING MATERIAL***	Cynomolgus monkey serum from healthy animals	Conforms

\* The concentration of purified cynomolgus (*Macaca fascicularis*) monkey C1q (cyno C1q) was determined using the extinction coefficient of human C1q  $E^{1\%}_{280nm} = 6.82$ .

\*\* The C1q concentration in cyno serum was assumed to be 0.07mg/ml.

\*\*\*The Cynomolgus monkey serum is not available for sale or usage outside the USA due to international endangered species laws.

**STORE AT -70°C or BELOW. Avoid Repeated Freeze/Thaw**  
**Thaw quickly at 37°C, mix, and put in an ice + water bath to cool.**  
FOR RESEARCH USE ONLY IN USA                      NOT FOR HUMAN OR DRUG USE

\_\_\_\_\_  
Signature of Analyst

\_\_\_\_\_  
Date of Analysis

**THIS IS A GENERIC REPRESENTATION**



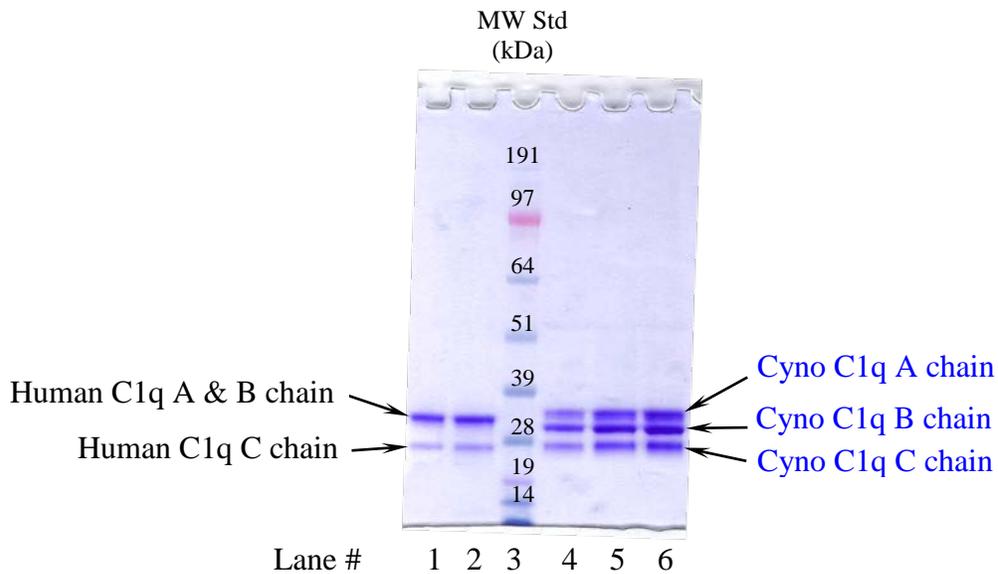
**CompTech**

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Cat# CY099, Purified *Cynomolgus monkey Complement* Protein C1q

**SDS-PAGE Gel Information**

NuPAGE 4-12 % Bis-Tris Gel from Invitrogen  
1 mm thick gel  
MOPS running buffer  
Sample size = 12 ul/lane  
See Blue Plus 2 Prestained Standards from Invitrogen  
200 Volts constant for 50 min  
Stained with Coomassie Brilliant Blue R-250  
Run date: 11/3/2020



Lane #1: 1  $\mu$ g Human C1q + DTT  
Lane #2: 2  $\mu$ g Human C1q + DTT  
Lane #3: See Blue Plus 2 Prestained Standards  
Lane #4: 2  $\mu$ g Cyno C1q + DTT  
Lane #5: 4  $\mu$ g Cyno C1q + DTT  
Lane #6: 6  $\mu$ g Cyno C1q + DTT