Active Native Human C1q Protein

Cat. No. C1Q-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human C1q was purified from pooled normal human plasma.
Species	Human
Source	Human Serum
Description	The C1q complex is potentially multivalent for attachment to the complement fixation sites of immunoglobulin. The sites are on the CH2 domain of IgG and, it is thought, on the CH4 domain of IgM. The appropriate peptide sequence of the complement fixing site might become exposed following complexing of the immunoglobulin, or the sites might always be available, but might require multiple attachment by C1q with critical geometry in order to achieve the necessary avidity.
Form	Frozen liquid
Bio-activity	>1,000,000 C1H50 units/mg
Molecular Mass	410,000 Da (18 chains)
Purity	≥98% by SDS PAGE
Applications	C1q is used to coat ELISA plates to capture and quantitate immune complexes in clinical samples.
Storage	-70°C or below. Avoid freeze/thaw.

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Concentration	1.0 mg/mL
Storage Buffer	10 mM HEPES, 300 mM NaCl, pH 7.2
Preservative	None, 0.22 μm filtered.

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