

## C1q antibody

Cat. No. GTX28779

Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Applications	Double immunodiffusion, RID
Reactivity	Human

Package  
1 ml

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
Double immunodiffusion	Assay dependent
RID	Neat-1:2

**Note : 0.1 µl antiserum / cm<sup>2</sup> gel vs. 20 µl fresh plasma Neat-1:2**

Not tested in other applications.

## Product Note

Gives a single arc when tested by IEP against fresh human plasma. Identity has been confirmed by double diffusion (Ouchterlony) against fresh human plasma and a known anti-human C1q. C1q is a sub-component of the first complement component C1, which is formed by the interaction of C1q with the tetramer C1s-C1r-C1r-C1s. C1q is a member of a family of soluble collagen-like proteins and is composed of three basic subunits termed A, B and C (27,550, 25,200, 23,800 Da- respectively) which associate in the proportion 6 A-B subunits (52,750 Da) and 3 C-C subunits (47,600 Da), to form whole C1q (459,300 Da). C1q binds to IgG and IgM immune complexes, this activates C1r and C1s, which are also bound to C1q and so initiates the classical pathway of complement activation. The normal plasma concentration of C1q is 100-180 mg/L.

## Properties

Form	Liquid
Buffer	Glycine buffered Saline, 0.1% EACA, 0.01% Benzamidine, 1mM EDTA
Preservative	0.099% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	5.07 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human C1q, > 95% pure (SDS-PAGE). Prepared from human plasma.
Purification	IgG fraction From serum
Conjugation	Unconjugated



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Date 2026 / 01 / 09 Page 1 of 2

**Note**

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