

## C1q antibody [JL-1]

Cat. No. GTX54404

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-Fr, ELISA, Depletion, PLA
Reactivity	Human, Mouse, Rat

References ( 4 )

Package

50 µg

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
WB	The typical starting working dilution is 1:50.
ICC/IF	The typical starting working dilution is 1:50.
IHC-Fr	The typical starting working dilution is 1:50.
ELISA	Assay dependent
Depletion	The typical starting working dilution is 1:50.
PLA	The typical starting working dilution is 1:50.

**Note : Antibody JL-1 was used to stain tissue sections which were fixed in acetone.**

**This antibody was administered to mice resulting in depletion of circulating C1q, glomerular deposition of C1q and induction of anti-C1q autoantibodies in susceptible mice.**

Not tested in other applications.

## Product Note

The monoclonal antibody JL-1 is reactive with the collagen-like region (CLR) only, which is the same region to which autoantibodies in mice and humans are binding. Anti-C1q autoantibodies deposit in glomeruli together with C1q but induce overt renal disease only in the context of glomerular immune complex disease. This provides an explanation why anti-C1q antibodies are especially pathogenic in patients with SLE.

## Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 0.1% BSA
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	100 µg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Purified mouse C1q



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<b>Purification</b>	Protein G purified
<b>Endotoxin</b>	< 24 EU/mg (Determined by LAL assay)
<b>Conjugation</b>	Unconjugated
<b>Note</b>	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>



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