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 4ºC.
Concentration	100 µg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Purified mouse C1q

For full product information, images and publications, please visit our website.

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Purification	Protein G purified
Endotoxin	< 24 EU/mg (Determined by LAL assay)
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. 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.

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