ARG22491
anti-C1q antibody (FITC)

Package: 500 µl
Store at: 4°C

Summary

Product Description	FITC-conjugated Sheep Polyclonal antibody recognizes C1q This antibody recognizes human C1q, a sub-component of the C1 complement component.
Tested Reactivity	Hu
Tested Application	IHC-Fr
Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Target Name	C1q
Species	Human
Immunogen	Human C1q, purified from plasma.
Conjugation	FITC
Alternate Names	Complement C1q subcomponent subunit B

Application Instructions

Application table

Application	Dilution
IHC-Fr	1:25 - 1:50

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified by ion exchange chromatography.
Buffer	PBS and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Concentration	10 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	C1QB

Gene Full Name	complement component 1, q subcomponent, B chain
Background	This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the B-chain polypeptide of human complement subcomponent C1q [provided by RefSeq, Jul 2008]
Function	C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes. [UniProt]
Calculated Mw	27 kDa
PTM	Hydroxylated on lysine and proline residues. Hydroxylated lysine residues can be glycosylated. Human C1Q contains up to 68.3 hydroxylysine-galactosylglucose residues and up to 2.5 hydroxylysine-galactose per molecule. Total percentage hydroxylysine residues glycosylated is 86.4%.