

Product datasheet

anti-Complement C1q mouse monoclonal, 242G3, lyophilized, purified

Short overview

Cat. No.	610136
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	242G3
Immunogen	Purified human complement C1q
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	O75973 (Human)
Synonym	C1q-related factor, C1q and tumor necrosis factor-related protein 14, C1q/TNF-related protein 14, Complement component 1 Q subcomponent-like 1, C1QL1, C1QRF, CRF, CTRP14
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, WB
Reactivity	Human

Applications

ELISA	Assay dependent
Western Blot (WB)	1:100

Background

Detection of C1q in serum, in serum-C1 and within immune complexes; inhibits hemolytic activity of C1 by binding to C1q in the liquid phase (antibody concentration necessary to inhibit 50% of hemolytic activity in the fluid phase is 0.85 µg/ml). With C1 bound to immune complexes a dose dependent increase of C1 activity was observed at antibody concentrations of 1.5 µg/ml. Useful for detection of C1q-bearing immune complexes in patients with rheumatic disorders.

Polypeptide reacting: C-chain of complement C1q (25 kD in SDS-PAGE)

Product images



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References

Publication	Species	Application
Antes, U., Heinz, H. P. & Loos, M. Detection of C1q-bearing immune complexes by a monoclonal anti-C1q ELISA system. J. Immunol. Methods 102, 149â€“156 (1987).	human	ELISA
Heinz, H. P., Burger, R., Golan, M. D. & Loos, M. Activation of the first component of complement, C1, by a monoclonal antibody recognizing the C chain of C1q. J. Immunol. 132, 804â€“8 (1984).	human	WB
Antes, U., Heinz, H. P. & Loos, M. Enzyme-linked immunosorbent assay for C1q in human serum by use of monoclonal antibodies. J. Immunol. Methods 74, 299â€“306 (1984).	human	ELISA