

## Product datasheet

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

### Short overview

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

### Product description

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

### Applications

<b>ELISA</b>	Assay dependent
<b>Western Blot (WB)</b>	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
<a href="#">Antes, U., Heinz, H. P. &amp; Loos, M. Detection of C1q-bearing immune complexes by a monoclonal anti-C1q ELISA system. J. Immunol. Methods 102, 149â€“156 (1987).</a>	human	ELISA
<a href="#">Heinz, H. P., Burger, R., Golan, M. D. &amp; 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).</a>	human	WB
<a href="#">Antes, U., Heinz, H. P. &amp; Loos, M. Enzyme-linked immunosorbent assay for C1q in human serum by use of monoclonal antibodies. J. Immunol. Methods 74, 299â€“306 (1984).</a>	human	ELISA