

**Anti-Complement component C9 (human)
 Mouse monoclonal antibody**

Subclass: IgG₁/k

PRODUCT NO.

ABS 004-53

Clone: C9 53

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

ANTIGEN

Complement factor C9 is a 71kDa single-chain ellipsoid a-globular molecule of 558 amino acids including a leader sequence of 20 amino acids. C9 bind the C5b8 complex on membranes and has an unique property in forming tubular structures containing between 12 and 18 monomers, closely resembling the membrane attack complex (MAC). The primary site of synthesis is hepatocytes, secondary sites are monocytes, fibroblasts and glial cells. The normal level of C9 in plasma is 60 µg/mL, and the level is up regulated from hepatocytes by IFN-γ.

IMMUNOGEN

Complement factor C9 adsorbed onto aluminum hydroxide gel

SPECIFICITY

ABS 004-53 is specific for complement factor C9

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

ABS 004-02 recognizes C9 in human serum diluted 1/50 in Tris buffer (20 mM Tris-base, 1 mM MgCl₂, 1 mM CaCl₂ and 140 mM NaCl) and incubated for 2 hours at 37°C using a human IgM coated (10 µg/mL overnight at 4°C, blocked with PBS 7.2 + 1% BSA for 1 hour) ELISA plate.

CULTURE MEDIUM

RPMI 1640 with 2-10% fetal calf serum

FUSION PARTNER

SP2mIL6

IMMUNIZATION

NMRI x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	
Immunoblotting	Not determined	
Immunohistochemistry	Not determined	

REFERENCES

The Complement Facts Book. 2000. Bernard J. Morlay and Mark J. Walport (eds.). Academic Press, London.

CONDITIONS

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