ANTIBODYSHOP

PRODUCT SPECIFICATION

Anti Complement component C9 (human) Mouse Monoclonal Antibody

Subclass: IgG_1/k

PRODUCT NO. **ABS 004-53**

PRESENTATION

Preparation:	Protein-A/G purified
Content:	1 mL, 1 mg/mL
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.13 M NaCl and 15mM sodium azide
Storage:	In the dark at 4-8ºC

ANTIGEN

Complement factor C9 is a 71-kDa 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 have an unique property in forming tubular structures containing between 12 and 18 monomers, closely resembling the membrane attack complex (MAC). 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 up regulated from hepatocytes by IFN-g.

IMMUNOGEN

Complement factor C9

SPECIFICITY

ABS 004-53 is specific for complement factor C9

EPITOPE SPECIFICITY

Not determined

REACTIVITY

ABS 004-02 recognizes C9 in human serum diluted 1:50 in Tris buffer (20 mM Tris-base, 1 mM $MgCl_2$, 1 mM $CaCl_2$ 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 i.p. with immunogen adsorbed onto Al(OH)3

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:20,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.1-1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

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