

**Anti Complement component C9 (human)  
Mouse monoclonal antibody**Subclass: IgG<sub>1</sub>/k

PRODUCT NO.

**ABS 004-53**

PRESENTATION

Preparation: Protein-A/G purified  
 Content: 200 µL and 1mL, 1 mg/mL  
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.13 M NaCl and 15 mM sodium azide  
 Storage: In the dark at 4-8°C

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

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 MgCl<sub>2</sub>, 1 mM CaCl<sub>2</sub> 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

SP2mL6.

IMMUNIZATION

NMRI x BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)<sub>3</sub>

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.

**CONDITIONS**

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.