

Anti-Complement component C9 (human)

CAT. NO. ABS 004-22

OVERVIEW

Product Name	Anti-Complement component C9 (human)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	22
Tested Applications	ELISA, WB, IHC, IF		

SPECIFICITY

Specificity	ABS 004-22 is specific for complement factor C9.		
Immunogen	Complement factor C9	Gene ID	735
Target	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.		
Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA	ABS 004-22 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.
WB	ABS 004-22 was used in Western blotting.
IHC	ABS 004-22 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:100.
IF	ABS 004-22 was used in IF with a dilution of 1:75.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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