

## Anti-Complement component C1s, (human, pro- and activated enzyme)

CAT. NO. ABS 002-09

### OVERVIEW

<b>Product Name</b>	Anti-Complement component C1s, (human, pro- and activated enzyme)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	9
<b>Tested Applications</b>	ELISA, IHC		

### SPECIFICITY

<b>Specificity</b>	ABS 002-09 is specific for C1s proenzyme and activated free C1s. Epitope differs from that of ABS 002-49.
<b>Immunogen</b>	C1s proenzyme purified from human plasma
<b>Target</b>	C1s proenzyme is a 79.8 kDa glycoprotein produced primarily by hepatocytes but also by other cells. The proenzyme is produced as a single-chain polypeptide of 688 aa. Upon activation the peptide is cleaved between R437 and I438 giving the activated enzyme consisting of two disulfide-linked chains, A chain (52.2 kDa) and B chain (27.7 kDa). The Ca-dependent catalytic subunit of the C1 complex (C1q, C1r, C1s) comprises of two C1s and two C1r molecules and this serine protease tetramer is responsible for the initial steps in the classical complement pathway, cleavage of C4 and C2.
<b>Species Reactivity</b> <b>POSITIVE</b>	Human

 Species Reactivity Not determined  
 NEGATIVE

### PROPERTIES

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

### TESTED APPLICATIONS

<b>ELISA</b>	ABS 002-09 reacts in ELISA when tested with activated C1s enzyme directly coated onto the microtiter well or in sandwich ELISA in combination with a polyclonal antibody in coat.
<b>IHC</b>	ABS 002-09 was used in immunohistochemistry.

### SCIENTIFIC REFERENCES

N/A

#### CONDITIONS

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