

PRODUCT SPECIFICATION

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HYB 281-05 Anti Serum Amyloid P component (SAP), human

Mouse monoclonal antibody

Article No.	56585 (0.2 mL), 101076 (1.0 mL)		
Product Name	HYB 281-05 Anti Serum Amyloid P component (SAP), human		
Clone	14B4		
Subclass	IgG1/kappa		
Description	Preparation:	Protein-A purified	
	Concentration:	1 mg/mL \pm 10%, based on A ₂₈₀ . See Certificate of Analysis for details.	
	Solvent:	PBS, pH 7.2 – 7.4	
	Storage:	-18 °C or colder	
Antigen	Serum Amyloid P component (SAP) is a Ca ²⁺ -activated serum protein, which structurally resembles legume lectins. It has an unknown function but binds negatively charged carbohydrates and is associated with all types of amyloid lesions including the amyloid plaques found in brains of Alzheimer patients (1-5). The native protein is a pentamer or a decamer (125 kDa or 250 kDa). In SDS-PAGE the protein dissociates into its 25 kDa subunits irrespectively of reduction or not.		
Immunogen	Serum Amyloid P Component purified from human plasma.		
Specificity	No cross-reactions have so far been detected.		
Epitope Specificity	HYB 281-02, 281-03, 281-05, 281-06 and 281-07 are all monoclonal antibodies reacting with SAP. However, the epitope specificity between them has not yet been characterised.		
Reactivity	HYB 281-05 reacts with SAP coated on microtitre plates. In western blots of SDS-PAGE separated serum proteins, HYB 281-05 reacts with a high molecular weight aggregate of SAP under non-reducing conditions and reacts strongly with a 25 kDa band of the single subunits under reducing SDS-PAGE conditions.		
Culture Medium	Dulbecco's modified Eagle's medium with 10% fetal calf serum.		
Fusion Partner	X63-Ag8.65		
Immunization	Female CF1xBalb/c F1 hybrid mice were immunized i.p. with immunogen adsorbed to Al(OH) ₃ .		
Application	Method	Usability	References
	ELISA	yes	6
	Immunoblotting	yes	6
	Immunofluorescence	nd.	

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References

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Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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