



**Anti Pregnancy associated plasma protein A (human, PAPP-A)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO. **ABS 006-01**

PRESENTATION
 Preparation: Protein-A/G purified
 Content: 200 µL and 1 mL, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN
 Pregnancy-associated plasma protein-A (PAPP-A, Insulin-like growth factor binding protein-4 protease, PAPP-A-proMBP complex) is a large heterotetrameric glycoprotein of approximately 500 kDa, which was first discovered in serum from pregnant women. The heterotetramer consists of two PAPP-A subunits and two proMBP subunits. Low maternal serum levels of PAPP-A in first trimester biochemical screening is used as a marker of Down's syndrome (trisomy 21).

IMMUNOGEN
 Purified human PAPP-A

SPECIFICITY
 ABS 006-01 is specific for native human PAPP-A

EPITOPE SPECIFICITY
 The epitope of ABS 006-01 is different from BTE 004-09 and ABS 001-24. The epitope is located on the PAPP-A subunit of the heterotetramer.

REACTIVITY
 ABS 006-01 detect only unreduced PAPP-A in Western Blotting. In sandwich ELISA with a polyclonal antibody in coat, ABS 006-01 only reacts poorly with PAPP-A in third trimester serum.

CULTURE MEDIUM
 RPMI 1640 with 2-10% fetal calf serum

FUSION PARTNER
 X63-Ag8.653.

IMMUNIZATION
 Female BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)₃

APPLICATION	Method	Usability	Dilution guideline	References
	ELISA	Yes	1:20	
	Immunoblotting	Yes		
	Immunohistochemistry	Yes		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at high concentration. Users should determine the optimal dilutions for their own purposes.

REFERENCES

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.