

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

Subclass: IgG2b/k

Clone: 9

CAT. NO.

BTE 004-09

SPECIFICITY	BTE 004-09 is specific for native human PAPP-A. Heat and SOS denatured PAPP-A is also recognized, but not acid treated PAPP-A.
IMMUNOGEN	Purified human PAPP-A
TESTED APPLICATIONS	ELISA, WB, IHC-P, IHC-F
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The epitope of BTE 004-09 is different from ABS 006-01 and ABS 006-24. The epitope is located on the PAPP-A subunit of the heterotetramer.

PRESENTATION

Content:	Available in 400 µL and 1 ml size. 1 mg/ml +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: In sandwich ELISA the optimal combination is BTE 004-09 used as coating antibody and biotinylated ABS 006-24 used as detection antibody. BTE 004-09 can also be used as detection antibody in sandwich ELISA in combination with a polyclonal antibody towards PAPP-A in coat.
WB: BTE 004-09 detect both reduced and unreduced PAPP-A in Western Blotting, though reaction to unreduced is less than that of ABS 006-01 and ABS 006-24.
IHC: BTE 004-09 can be used in IHC.

TARGET

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).

REFERENCES

CONDITIONS

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