



# DataSheet

**CATALOGUE #:** 4P41

**PRODUCT NAME:** Monoclonal mouse anti-human pregnancy-associated plasma protein A (PAPP-A)

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**MAbs:** 10E1, 10E2, 5H9, 4G11, 10A5, 3C8, 10H9, 18A10, 11E4, 7A6, PAPP52  
Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified human PAPP-A/proMBP (heterotetrameric PAPP-A, htPAPP-A) complex or purified human atherosclerotic tissue form of PAPP-A (MAb PAPP52).

**Specificity:** Human PAPP-A antigen purified from placental blood (heterotetrameric complex, consisting of PAPP-A subunits and proMBP subunits). MAbs 11E4 and 5H9 are specific to proMBP subunit.

**MAb isotypes:** **IgG1** for MAb PAPP52  
**IgG2a** for MAbs 4G11, 10A5, 3C8, 10H9, 18A10 and 7A6  
**IgG2b** for MAbs 5H9, 11E4, 10E1 and 10E2

**Applications:** htPAPP-A and dPAPP-A (PAPP-A dimer) immunoassays and immunoprecipitation.  
Recommended pairs for detection of human htPAPP-A antigen (capture – detection):  
10E2 – 5H9  
5H9 – 10E2  
5H9 – 7A6  
10E1 – 11E4  
Recommended pairs for detection of total PAPP-A (htPAPP-A and/or dPAPP-A) (capture –detection):  
10E2 – 10E1  
4G11 – 3C8  
4G11 – 10H9  
10E1 – 7A6  
Please see Cat.# 4PD4 Data Sheet for recommended pairs for specific dPAPP-A antigen detection.  
PAPP-A immunodetection in Western blotting. MAb 18A10 recognizes PAPP-A subunit in reducing and non-reducing conditions after antigen transfer onto nitrocellulose membrane after SDS-gel electrophoresis. MAbs 4G11, 10A5, 18A10 and 10E1 recognize htPAPP-A, consisting of PAPP-A subunits and proMBP subunits, in non-reducing conditions.

**Purification:** Chromatography on protein A Sepharose.

**Presentation:** PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**Storage:** +4 °C (+2 ... +8 °C allowed)

**Material safety note:** This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.  
Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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