

CATALOGUE #: 4P41 / 4P41cc

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

MAbs *in vitro*
(Cat.# 4P41cc): 10E1cc, 10E2cc

MAbs *in vivo*
(Cat.# 4P41): 5H9, 4G11, 3C8, 10H9, 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 (PAPP52).

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

MAb isotypes: **IgG1** for PAPP52
IgG2a for 4G11, 3C8, 10H9, 7A6
IgG2b for 5H9, 11E4, 10E1cc, 10E2cc

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
10E1cc – 11E4
Recommended pairs for detection of total PAPP-A (htPAPP-A and/or dPAPP-A) (capture –detection):
10E2cc – 10E1cc
4G11 – 3C8
4G11 – 10H9
10E1cc – 7A6
Please see Cat.# 4PD4 Data Sheet for recommended pairs for specific dPAPP-A antigen detection.
PAPP-A immunodetection in Western blotting. 4G11 and 10E1cc recognize htPAPP-A, consisting of PAPP-A subunits and proMBP subunits, in non-reducing conditions.

Purification: Protein A chromatography.

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research or further manufacturing 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.