

CATALOGUE #: 4P41 / 4P41cc

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

MAbs *in vitro*
(Cat.# 4P41cc):

10E1cc, 10E2cc

Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo*
(Cat.# 4P41):

5H9, 4G11, 3C8, 10H9, 11E4, 7A6, PAPP52

Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen:

Purified human PAPP-A/proMBP (heterotetrameric PAPP-A, htPAPP-A) complex for 5H9, 4G11, 3C8, 10H9, 11E4, 7A6, 10E1cc, 10E2cc

Purified human atherosclerotic tissue form of PAPP-A for 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.

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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.