

PAPP-A

Enzyme-Linked Immunoassay Kit

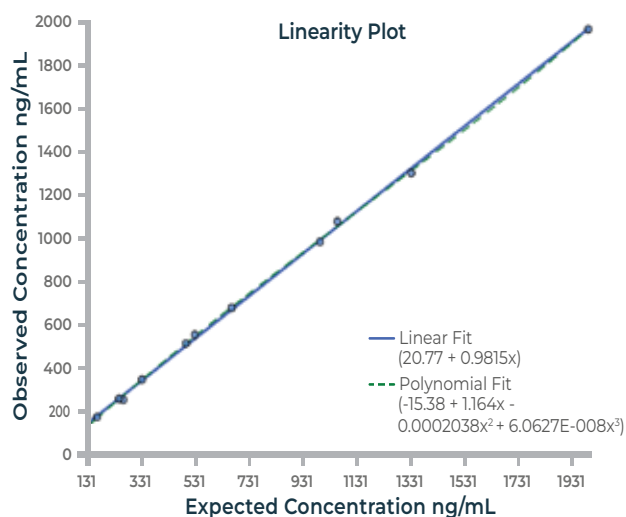


Introduction: Pregnancy-associated plasma protein A (PAPP-A) is a large placenta-derived glycoprotein. During pregnancy it is produced in high concentrations by the trophoblast and released into maternal circulation. In addition to trophoblasts, PAPP-A expression has been reported in various tissues, including endometrium, testis, atherosclerotic arteries, kidney, bone, colon, and other adult and fetal tissue. PAPP-A is potentially proatherosclerotic and has been proposed as a new marker of inflammation, as high serum PAPP-A levels are observed in patients with renal impairment, asthma, lung cancer, unstable angina, etc. Studies suggest that the PAPP-A form in non-pregnant females and males is dimeric and is not complexed with proMBP and proteolyses IGFBP-4 and IGFBP-5.

ANSH LABS ADVANTAGES

Accurate

Standardized recombinant human PAPP-A calibrators.



Detects the heterotetrameric form and homodimeric form of PAPP-A equimolarly

Reliable measurement in studies of non-pregnant or pregnant subjects

Analytical measurable range of approximately 18-3300 ng/mL

Wide dynamic range for detection of Proglucagon studies of a variety of physiological states.

Sensitive to 1.14 ng/mL

Automation ready

Simple procedure is automatable on most robotic platforms.

Long shelf-life

Minimizing lot changes ensures long-term consistency and precision of results

Specific

Cross reactivity was studied by adding the following compounds (1-5) to the PAPP-A calibrator A (0 ng/mL) and the interference was studied by spiking the following compounds (5) in serum samples at the concentration listed to the right in the table.

Sample Name	% Cross-reactivity
PAPP-A2	ND
ProMBP	ND
MMP-9	ND
PAPP-A proMBP Complex	100
Dimeric PAPP-A	100

PAPP-A

Product Listing

PAPP-A is a useful research tool in studies related to:

- Asthma
- Lung Cancer
- Inflammation
- Unstable Angina
- Renal Impairment
- Pregnancy Complications
- Ovarian function assessment

ELISA 96 Wells

Method	Quantitative 2-step sandwich type immunoassay
Incubation Time	Total 3 hour incubation at room temperature
Approximate Dynamic Range	6 points, 18-3300 ng/mL
Sensitivity	1.14 ng/mL
Sample Size / Type	10 µL / Serum
Shelf-life	24 months
Catalog Number	AL-106

Related Assays

picoPAPP-A	96-Well ELISA	AL-101
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Ansh Labs is trusted by the top global pharma companies, scientists and researchers for highly-specific and well-characterized monoclonal antibodies. We offer numerous antibodies for PAPP-A including the extremely popular PAPP-A clone 1/41 neutralizing antibody.

*Unless otherwise stated here, in our catalog, or other product documentation, these kits are intended for research use only and not for in vitro diagnostic purposes or therapeutic uses.

POS.106.1224.USINTL

Reproductive Function

Activin A [CE]
Activin B
Activin AB
AFP
AMH [CE]
AMH, Dried Blood Spot [CE]
AMH (PCOCheck™) [CE]
picoAMH (MenoCheck®) [FDA, CE]
BMP-15
Estriol [FDA, CE]
Follistatin
Follistatin Like-3
FSH
FSH, Dried Blood Spot
GDF-9
GDF-9/BMP-15 Complex
GDF-15, Total
GDF-15, H-Specific
Inhibin, Total
Inhibin A [FDA, CE]
picoInhibin A
Inhibin A (OMQCheck™)
Inhibin B [CE]
Inhibin B, Ultra-Sensitive [CE]
LH
LH, Dried Blood Spot
PAPP-A [CE]
PAPP-A2 [CE]
picoPAPP-A [CE]
PLGF [CE]
Prolactin [FDA, CE]
Prolactin, Dried Blood Spot [CE]

Specialty Controls

AnshCheck AMH Tri-Level Controls [FDA, CE]
AnshCheck Inhibin B Tri-Level Controls
AnshCheck Maternal Screening Bi-Level Controls [FDA, CE]

Metabolism

C-Peptide of Insulin
GIP, Intact
GIP, Total
Glicentin
GLP-1
GLP-2
Glucagon [FDA, CE]
Major Proglucagon Fragment
Oxyntomodulin
Proglucagon

Growth Factors

IGF-I, Free
IGF-I, Total [FDA, CE]
IGF-II
IGFBP-2
IGFBP-3, Intact
IGFBP-3, Total
IGFBP-4, Intact
IGFBP-4, Total
IGFBP-5
picolL-6
Stanniocalcin 2

Species Specific Assays

Activin B: Mouse, Rat
AMH: Bovine, Canine, Equine, Feline, Mouse, Ovine, Porcine, Primate, Rat
GDF-15: Bovine
IGF-I, Free: Mouse, Rat
IGF-I, Total: Mouse, Rat
IGFBP-4, Intact : Mouse, Rat
IGFBP-4, Total: Mouse, Rat
Inhibin A: Canine, Equine, Rodent
Inhibin B: Canine, Equine, Mouse
Oxyntomodulin: Mouse, Rat
PAPP-A: Mouse

Neuronal Disorders

MBP

**Unless stated otherwise, products are for research use only.

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ISO 13485:2016

Ansh Labs is ISO certified for the design, development, manufacturing, services and distribution of reagents/ immunoassay kits for research and in vitro diagnostic applications.