

Human Prolactin Induced Protein (PIP) ELISA Kit | PIP elisa kit

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CATALOG #
AAA136812

REACTIVITY
Human

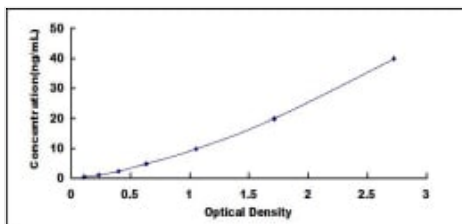
PRODUCT SYNONYMS

Prolactin Induced Protein (PIP); Human Prolactin Induced Protein (PIP) ELISA Kit; GCDP15; GPI4; BRST2; SABP; gp17; Gross cystic disease fluid protein 15; Prolactin-induced protein; Secretory actin-binding protein; PIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Prolactin Induced Protein (PIP). No significant cross-reactivity or interference between Prolactin Induced Protein (PIP) and analogues was observed.
Sequence Length	79
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Prolactin Induced Protein (PIP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Prolactin Induced Protein (PIP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Prolactin Induced Protein (PIP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Prolactin Induced Protein (PIP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Prolactin Induced Protein (PIP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Prolactin Induced Protein (PIP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PIP elisa kit	Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	116642861
NCBI GeneID	5304
Molecular Weight	16,572 Da
NCBI Official Full Name	prolactin-induced protein, partial
NCBI Official Synonym Full Names	prolactin-induced protein
NCBI Official Symbol	PIP
NCBI Official Synonym Symbols	GPIP4; GCDFP15; GCDFP-15
NCBI Protein Information	prolactin-inducible protein
UniProt Protein Name	Prolactin-inducible protein
UniProt Gene Name	PIP
UniProt Synonym Gene Names	GCDFP15; GPIP4; GCDFP-15; SABP
UniProt Entry Name	PIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.