

Human Astrocytic phosphoprotein PEA 15 (PEA15) ELISA Kit | PEA15 elisa kit

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CATALOG #
AAA245459

REACTIVITY
Human

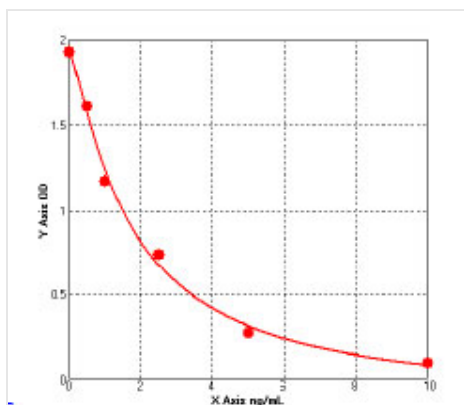
PRODUCT SYNONYMS

Astrocytic phosphoprotein PEA 15 (PEA15); Human Astrocytic phosphoprotein PEA 15 (PEA15) ELISA Kit; PEA15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pmol/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEA15 elisa kit

Intended Uses: This PE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PE. This ELISA kit for research use only!

Principle of the Assay: PE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PE antibody and an PE-HRP conjugate. The assay sample and buffer are incubated together with PE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PE concentration since PE from samples and PE-HRP conjugate compete for the anti-PE antibody binding site. Since the number of sites is limited, as more sites are occupied by PE from the sample, fewer sites are left to bind PE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PE concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505705
NCBI GeneID	8682
NCBI Accession #	NP_003759.1
NCBI GenBank Nucleotide #	NM_003768.4
Molecular Weight	15,040 Da
NCBI Official Full Name	astrocytic phosphoprotein PEA-15 isoform b
NCBI Official Synonym Full Names	phosphoprotein enriched in astrocytes 15
NCBI Official Symbol	PEA15
NCBI Official Synonym Symbols	PED; MAT1; HMAT1; MAT1H; PEA-15; HUMMAT1H
NCBI Protein Information	astrocytic phosphoprotein PEA-15; homolog of mouse MAT-1 oncogene; phosphoprotein enriched in diabetes; 15 kDa phosphoprotein enriched in astrocytes; mammary transforming gene 1, mouse, homolog of
UniProt Protein Name	Astrocytic phosphoprotein PEA-15
UniProt Gene Name	PEA15
UniProt Synonym Gene Names	PED
UniProt Entry Name	PEA15_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/astrocytic-phosphoprotein-pea-15-pea15/245459>