

Human Phosphodiesterase 10A (PDE10A) ELISA Kit | PDE10A elisa kit

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CATALOG #
AAA138927

REACTIVITY
Human

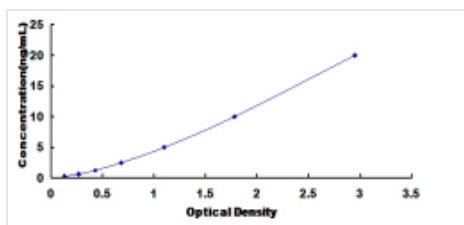
PRODUCT SYNONYMS

Phosphodiesterase 10A (PDE10A); Human Phosphodiesterase 10A (PDE10A) ELISA Kit; cAMP and cAMP-inhibited cGMP 3'; 5'-cyclic phosphodiesterase 10A; PDE10A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Phosphodiesterase 10A (PDE10A). No significant cross-reactivity or interference between Phosphodiesterase 10A (PDE10A) and analogues was observed.
Sequence Length	789
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.104ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Phosphodiesterase 10A (PDE10A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phosphodiesterase 10A (PDE10A) 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 PDE10A 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 Phosphodiesterase 10A (PDE10A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phosphodiesterase 10A (PDE10A). 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 Phosphodiesterase 10A (PDE10A), 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 Phosphodiesterase 10A (PDE10A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PDE10A elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119567931
NCBI GeneID	10846
UniProt Accession #	Q9Y233; Q6FHX1; Q9HCP9; Q9NTV4; Q9ULW9; Q9Y5T1
Molecular Weight	89,390 Da
NCBI Official Full Name	phosphodiesterase 10A
NCBI Official Synonym Full Names	phosphodiesterase 10A
NCBI Official Symbol	PDE10A
NCBI Official Synonym Symbols	HSPDE10A
NCBI Protein Information	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
UniProt Protein Name	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A
UniProt Gene Name	PDE10A
UniProt Entry Name	PDE10_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.