

Human Phosphodiesterase 4D, cAMP Specific ELISA Kit | PDE4D elisa kit

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CATALOG #
AAA98502

REACTIVITY
Human

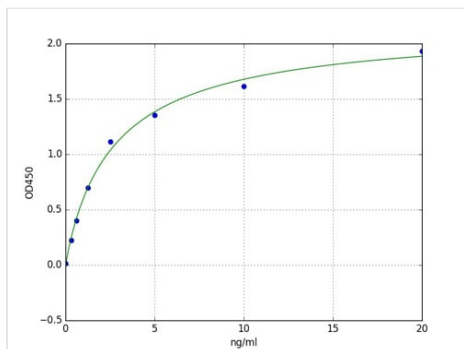
PRODUCT SYNONYMS

Phosphodiesterase 4D; cAMP Specific; Human Phosphodiesterase 4D; cAMP Specific ELISA Kit; PDE4D; PDE4D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	747
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PDE4D ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.135	0.219	0.245	0.314	0.551	0.949	1.529	2.038

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDE4D elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDE4D antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDE4D antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PDE4D amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDE4D can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

124297623

NCBI GeneID	238871
Molecular Weight	66,394 Da
NCBI Official Full Name	Phosphodiesterase 4D, cAMP specific
NCBI Official Synonym Full Names	phosphodiesterase 4D, cAMP specific
NCBI Official Symbol	Pde4d
NCBI Official Synonym Symbols	Dpde3; 9630011N22Rik
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
UniProt Gene Name	Pde4d
UniProt Entry Name	PDE4D_MOUSE

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/pde4d-human-elisa-kits/phosphodiesterase-4d-camp-specific/98502>