

Human PDE4A (cAMP-specific 3', 5'-cyclic phosphodiesterase 4A) ELISA Kit | PDE4A elisa kit

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CATALOG # AAA250624	REACTIVITY Human
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PRODUCT SYNONYMS

PDE4A (cAMP-specific 3'; 5'-cyclic phosphodiesterase 4A); Human PDE4A (cAMP-specific 3'; 5'-cyclic phosphodiesterase 4A) ELISA Kit; cAMP-specific 3'; 5'-cyclic phosphodiesterase 4A; DPDE2; PDE46; PDE4A; PDE4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PDE4A. No significant cross-reactivity or interference between PDE4A and analogues was observed.
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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

ADDITIONAL INFORMATION

Related Product Information for PDE4A elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116242706
NCBI GeneID	5141
UniProt Accession #	P27815; O75522; O76092; Q16255; Q16691; Q5DM53; Q6PMT2; Q8IVA7; Q8WUQ3; Q9H3H2
Molecular Weight	886
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
NCBI Official Synonym Full Names	phosphodiesterase 4A, cAMP-specific

NCBI Official Symbol	PDE4A
NCBI Official Synonym Symbols	PDE4; DPDE2; PDE46
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4A; phosphodiesterase isozyme 4; phosphodiesterase 4A, cAMP-specific (dunce; phosphodiesterase E2 dunce homolog, Drosophila
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
UniProt Gene Name	PDE4A
UniProt Synonym Gene Names	DPDE2
UniProt Entry Name	PDE4A_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://www.aaabiotech.com/human-elisa-kits/pde4a-camp-specific-3-5-cyclic-phosphodiesterase-4a/250624>