

Human Dipeptidyl peptidase 3 ELISA Kit | DPP3 elisa kit

Human Dipeptidyl peptidase 3 ELISA Kit

CATALOG #
AAA99357

REACTIVITY
Human

PRODUCT SYNONYMS

Dipeptidyl peptidase 3; Human Dipeptidyl peptidase 3 ELISA Kit; DPP3/Dipeptidyl peptidase 3/Enkephalinase B/Dipeptidyl peptidase III/DPP III/Dipeptidyl aminopeptidase III; DPP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DNASE1L3. No significant cross-reactivity or interference between DNASE1L3 and analogues was observed.
Sequence Length	738
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DNASE1L3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DNASE1L3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: 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

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a DPP3 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.152	0.224	0.285	0.391	0.605	0.943	1.533	2.262

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPP3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DNASE1L3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DNASE1L3 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 DNASE1L3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DNASE1L3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758578
NCBI GeneID	114591
NCBI Accession #	NP_446200.1
NCBI GenBank Nucleotide #	NM_053748.1
Molecular Weight	83,039 Da
NCBI Official Full Name	dipeptidyl peptidase 3
NCBI Official Synonym Full Names	dipeptidylpeptidase 3
NCBI Official Symbol	Dpp3
NCBI Protein Information	dipeptidyl peptidase 3
UniProt Protein Name	Dipeptidyl peptidase 3
UniProt Gene Name	Dpp3
UniProt Synonym Gene Names	DPP III
UniProt Entry Name	DPP3_RAT

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/dpp3-human-elisa-kits/dipeptidyl-peptidase-3/99357>