

Human Beta-Ala-His dipeptidase ELISA Kit | CNDP1 elisa kit

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CATALOG #
AAA98257

REACTIVITY
Human

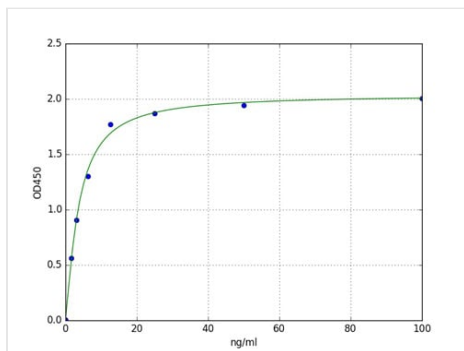
PRODUCT SYNONYMS

Beta-Ala-His dipeptidase; Human Beta-Ala-His dipeptidase ELISA Kit; CNDP1 (Carnosine Dipeptidase 1)/CPGL2/CN1/Carnosinase 1/beta-Ala-His dipeptidase/carnosine dipeptidase 1 (metallopeptidase M20 family)/CNDP dipeptidase 1/Glutamate carboxypeptidase-like protein 2/Serum carnosinase; CNDP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	507
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/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)

Results of a typical standard run of a Human CNDP1 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	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.037	0.185	0.314	0.572	0.928	1.349	1.706	2.014

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNDP1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CNDP1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CNDP1 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. HRPStreptavidin 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 CNDP1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CNDP1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21071039
NCBI GeneID	84735
NCBI Accession #	NP_116038.4
NCBI GenBank Nucleotide #	NM_032649.5
Molecular Weight	56,706 Da
NCBI Official Full Name	beta-Ala-His dipeptidase
NCBI Official Synonym Full Names	carnosine dipeptidase 1 (metallopeptidase M20 family)
NCBI Official Symbol	CNDP1
NCBI Official Synonym Symbols	CN1; CPGL2; HsT2308
NCBI Protein Information	beta-Ala-His dipeptidase
UniProt Protein Name	Beta-Ala-His dipeptidase
UniProt Gene Name	CNDP1
UniProt Synonym Gene Names	CN1; CPGL2
UniProt Entry Name	CNDP1_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/cndp1-human-elisa-kits/beta-ala-his-dipeptidase/98257>