

Human beta Ala His dipeptidase (CNDP1) ELISA Kit | CNDP1 elisa kit

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CATALOG #
AAA246372

REACTIVITY
Human

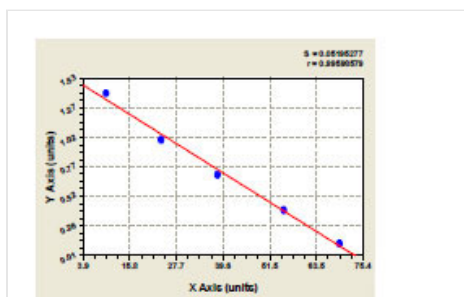
PRODUCT SYNONYMS

beta Ala His dipeptidase (CNDP1); Human beta Ala His dipeptidase (CNDP1) ELISA Kit; Human b Ala His dipeptidase (CNDP1) ELISA Kit; CNDP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNDP1 elisa kit

Intended Uses: This CNDP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CNDP1. This ELISA kit for research use only!

Principle of the Assay: CNDP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CNDP1 antibody and an CNDP1-HRP conjugate. The assay sample and buffer are incubated together with CNDP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNDP1 concentration since CNDP1 from samples and CNDP1-HRP conjugate compete for the anti-CNDP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNDP1 from the sample, fewer sites are left to bind CNDP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNDP1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CNDP1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373563
NCBI GeneID	84735
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; carnosinase 1; serum carnosinase; CNDP dipeptidase 1; glutamate carboxypeptidase-like protein 2
UniProt Protein Name	Beta-Ala-His dipeptidase
UniProt Gene Name	CNDP1
UniProt Synonym Gene Names	CN1; CPGL2; UNQ1915/PRO4380
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/human-elisa-kits/beta-ala-his-dipeptidase-cndp1/246372>