

Rat Carboxypeptidase B1 ELISA Kit | CPB1 elisa kit

Rat Carboxypeptidase B1 ELISA Kit

CATALOG #
AAA95296

REACTIVITY
Rat

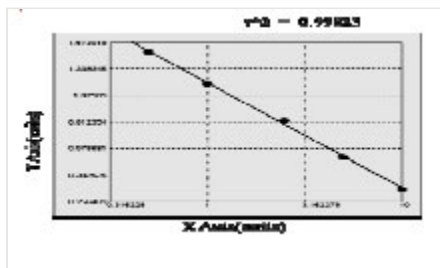
PRODUCT SYNONYMS

Carboxypeptidase B1; Rat Carboxypeptidase B1 ELISA Kit; CPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/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 CPB1 elisa kit

Intended Uses||This CPB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CPB1. This ELISA kit for research use only!

Principle of the Assay: CPB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CPB1 antibody and an CPB1-HRP conjugate. The assay sample and buffer are incubated together with CPB1-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 CPB1 concentration since CPB1 from samples and CPB1-HRP conjugate compete for the anti-CPB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CPB1 from the sample, fewer sites are left to bind CPB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPB1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CPB1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	148225192
NCBI GeneID	495368
NCBI Accession #	NP_001088500.1
NCBI GenBank Nucleotide #	NM_001095031.1
NCBI Official Full Name	carboxypeptidase B1 (tissue)
NCBI Official Synonym Full Names	carboxypeptidase B1 (tissue)
NCBI Official Symbol	cpb1
NCBI Protein Information	carboxypeptidase B1 (tissue); carboxypeptidase B1 (tissue)

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/cpb1-rat-elisa-kits/carboxypeptidase-b1/95296>