

Rat beta-Alanine ELISA Kit | beta-Ala elisa kit

Rat beta-Alanine ELISA Kit

CATALOG #
AAA86816

REACTIVITY
Rat

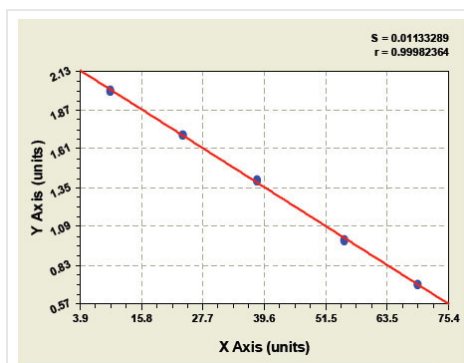
PRODUCT SYNONYMS

beta-Alanine; Rat beta-Alanine ELISA Kit; Rat b-Alanine ELISA Kit; beta-Ala elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-Ala elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This Beta Alanine ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Beta Alanine . This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	596714852
NCBI GeneID	18736634
NCBI Accession #	XP_007285111.1
NCBI GenBank Nucleotide #	XM_007285049.1
Molecular Weight	42,465 Da
NCBI Official Full Name	beta-alanine
NCBI Official Symbol	CGGC5_13087
NCBI Protein Information	beta-alanine
UniProt Protein Name	Beta-alanine
UniProt Entry Name	L2FJH3_COLGN

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/beta-ala-rat-elisa-kits/beta-alanine/86816>