

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

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CATALOG #
AAA82505

REACTIVITY
Mouse

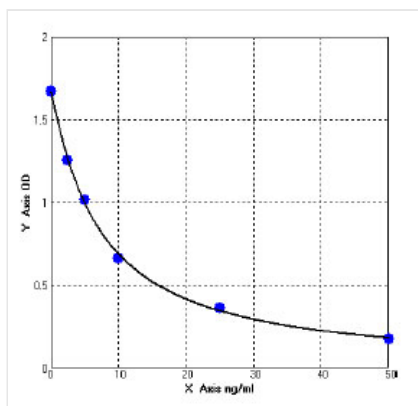
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ALbeta. No significant cross-reactivity or interference between ALbeta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ALbeta and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 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	Intended Uses: This ALbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ALbeta. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ALbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ALbeta antibody and an ALbeta-HRP conjugate. The assay sample and buffer are incubated together with ALbeta-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 ALbeta concentration since ALbeta from samples and ALbeta-HRP conjugate compete for the anti-ALbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by ALbeta from the sample, fewer sites are left to bind ALbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALbeta concentration in each sample is interpolated from this standard curve.
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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-mouse-elisa-kits/beta-alanine/82505>