Human Branched chain amino acid aminotransferase, cytosolic (BCAT1) ELISA Kit | BCAT1 elisa kit

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CATALOG #	REACTIVITY
AAA245743	**Human**

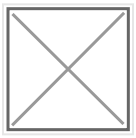
PRODUCT SYNONYMS

Branched chain amino acid aminotransferase; cytosolic (BCAT1); Human Branched chain amino acid aminotransferase; cytosolic (BCAT1) ELISA Kit; BCAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCAT1 elisa kit	Intended Uses: This BCAT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BCAT1. This ELISA kit for research use only! Principle of the Assay: BCAT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BCAT1 antibody and an BCAT1-HRP conjugate. The assay sample and buffer are incubated together with BCAT1-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 BCAT1 concentration since BCAT1 from samples and BCAT1-HRP conjugate compete for the anti-BCAT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by BCAT1 from the sample, fewer sites are left to bind BCAT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BCAT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	159129449
NCBI Official Full Name	branched-chain amino acid aminotransferase, cytosolic
UniProt Protein Name	Protein MGF 100-1R

UniProt Entry Name	1001R_ASFK5

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/branched-chain-amino-acid-aminotransferase-cytosolic-bcat1/245743