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

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CATALOG #	REACTIVITY
AAA246773	**Canine**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of BCAT1. No significant cross-reactivity or interference between BCAT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BCAT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 BCAT1 elisa kit	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. Intended Uses: This BCAT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BCAT1. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	57164219
NCBI GeneID	443485
NCBI Accession #	NP_001009444.1
NCBI GenBank Nucleotide #	NM_001009444.1
Molecular Weight	43,073 Da
NCBI Official Full Name	branched-chain-amino-acid aminotransferase, cytosolic
NCBI Official Symbol	BCAT1
NCBI Protein Information	branched-chain-amino-acid aminotransferase, cytosolic; BCAT(c); branched chain aminotransferase 1, cytosolic; cytosolic branched-chain amino acid aminotransferase
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, cytosolic
UniProt Gene Name	**BCAT1**
UniProt Synonym Gene Names	BCAT(c)
UniProt Entry Name	BCAT1_SHEEP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/canine-elisa-kits/branched-chain-amino-acid-aminotransferase-cytosolic-bcat1/246773