

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

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CATALOG # AAA250219	REACTIVITY Mouse
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PRODUCT SYNONYMS

BCAT1 (Branched-chain-amino-acid aminotransferase; cytosolic); Mouse BCAT1 (Branched-chain-amino-acid aminotransferase; cytosolic) ELISA Kit; Branched-chain-amino-acid aminotransferase; cytosolic; BCAT (c); Protein ECA39; Eca39; Bcat1; BCAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for BCAT1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	161016828
NCBI GeneID	12035
NCBI Accession #	NP_031558.3
NCBI GenBank Nucleotide #	NM_007532.5
UniProt Accession #	P24288; Q7TMT2
Molecular Weight	42,791 Da

NCBI Official Full Name	branched-chain-amino-acid aminotransferase, cytosolic isoform 2
NCBI Official Synonym Full Names	branched chain aminotransferase 1, cytosolic
NCBI Official Symbol	Bcat1
NCBI Official Synonym Symbols	BCATc; Eca39
NCBI Protein Information	branched-chain-amino-acid aminotransferase, cytosolic; BCAT(c)
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, cytosolic
UniProt Gene Name	Bcat1
UniProt Synonym Gene Names	Eca39; BCAT(c)
UniProt Entry Name	BCAT1_MOUSE

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/mouse-elisa-kits/bcat1-branched-chain-amino-acid-aminotransferase-cytosolic/250219>