Kynurenine--oxoglutarate transaminase 1, mitochondrial ELISA Kit | Ccbl1 elisa kit

Rat Kynurenine--oxoglutarate transaminase 1, mitochondrial ELISA Kit

CATALOG #	REACTIVITY
AAA56305	**Rat**

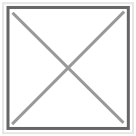
PRODUCT SYNONYMS

Kynurenine--oxoglutarate transaminase 1; mitochondrial; Rat Kynurenine--oxoglutarate transaminase 1; mitochondrial ELISA Kit; Ccbl1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Kynurenine--oxoglutarate transaminase I. No significant cross-reactivity or interference was observed.
Sequence Length	457
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.078 ng/mL
Intra-Assay CV	<=4.5%
Inter-Assay CV	<=8.2%
Recovery	93%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ccbl1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kynurenine--oxoglutarate transaminase I. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Kynurenine--oxoglutarate transaminase I and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Kynurenine--oxoglutarate transaminase I, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Kynurenine--oxoglutarate transaminase I in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148356231

NCBI GeneID	311844
NCBI Accession #	NP_001013182.3
NCBI GenBank Nucleotide #	NM_001013164.3
UniProt Accession #	Q08415; Q9R096
Molecular Weight	47,873 Da
NCBI Official Full Name	kynurenine--oxoglutarate transaminase 1, mitochondrial
NCBI Official Synonym Full Names	cysteine conjugate-beta lyase, cytoplasmic
NCBI Official Symbol	Ccbl1
NCBI Official Synonym Symbols	Gtk; Kat1; KatI
NCBI Protein Information	kynurenine--oxoglutarate transaminase 1, mitochondrial
UniProt Protein Name	Kynurenine--oxoglutarate transaminase 1, mitochondrial
UniProt Gene Name	**Ccbl1**
UniProt Synonym Gene Names	Kat; Kynurenine--oxoglutarate transaminase I; GTK; KATI
UniProt Entry Name	KAT1_RAT

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/ccbl1-rat-elisa-kits/kynurenine-oxoglutarate-transaminase-1-mitochondrial/56305