

Mouse Formimidoyltransferase-cyclodeaminase (FTCD) ELISA Kit | FTCD elisa kit

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CATALOG #
AAA27359

REACTIVITY
Mouse

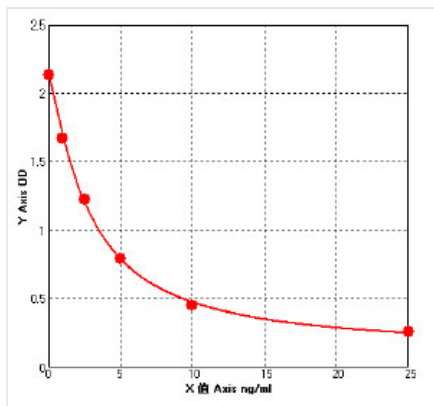
PRODUCT SYNONYMS

Formimidoyltransferase-cyclodeaminase (FTCD); Mouse Formimidoyltransferase-cyclodeaminase (FTCD) ELISA Kit; FTCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FTCD. No significant cross-reactivity or interference between FTCD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FTCD 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 FTCD elisa kit	Intended Uses: This FTCD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse FTCD. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FTCD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FTCD antibody and an FTCD-HRP conjugate. The assay sample and buffer are incubated together with FTCD-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 FTCD concentration since FTCD from samples and FTCD-HRP conjugate compete for the anti-FTCD antibody binding site. Since the number of sites is limited, as more sites are occupied by FTCD from the sample, fewer sites are left to bind FTCD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FTCD concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46255035
NCBI GeneID	10841
NCBI Accession #	NP_996848.1
NCBI GenBank Nucleotide #	NM_206965.1
Molecular Weight	16,503 Da
NCBI Official Full Name	formimidoyltransferase-cyclodeaminase
NCBI Official Synonym Full Names	formimidoyltransferase cyclodeaminase
NCBI Official Symbol	FTCD
NCBI Official Synonym Symbols	LCHC1
NCBI Protein Information	formimidoyltransferase-cyclodeaminase; formiminotransferase cyclodeaminase; formiminotransferase-cyclodeaminase
UniProt Protein Name	Formimidoyltransferase-cyclodeaminase
UniProt Gene Name	FTCD
UniProt Synonym Gene Names	FTCD
UniProt Entry Name	FTCD_HUMAN

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.