

Mouse Beta Crosslaps ELISA Kit | beta-CTx elisa kit

Mouse Beta Crosslaps ELISA Kit

CATALOG #
AAA100348

REACTIVITY
Mouse

PRODUCT SYNONYMS

Beta Crosslaps; Mouse Beta Crosslaps ELISA Kit; b-CTx ; beta-CTx elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of alpha-Endorphin. No significant cross-reactivity or interference between alpha-Endorphin and analogues is observed.
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level alpha-Endorphin were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level alpha-Endorphin were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: 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

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a β -CTx ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	2.480	1.432	1.082	0.726	0.465	0.321	0.215	0.171

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-CTx elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with alpha-Endorphin. During the reaction, alpha-Endorphin in the sample or standard competes with a fixed amount of alpha-Endorphin on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to alpha-Endorphin. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzymesubstrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of alpha-Endorphin in the samples is then determined by comparing the O D of the samples to the standard curve.

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.