CTSB ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	CTSB, ELISA Kit
Full Product Name	Rat CTSB ELISA Kit
Product Gene Name	CTSB elisa kit
Species Reactivity	Rat
Detection Range	0.16-10ng/mL
Sensitivity	0.09ng/mL
Preparation and Storage	An unopened kit can be stored at 2-8 degree C for 1 month unless otherwise specified in the kit documetation. If the kit is not supposed to be used within 1 month, store the components separately upon receipt according to the directions accompanying the kit.
Detection Target	CTSB
Related Product Information for CTSB elisa kit	Rat CTSB ELISA Kit is a highly sensitive sandwich enzyme-linked immunoassay (ELISA) for measuring CTSB in serum, plasma and other biological fluids. Reagents for up to 96 tests. This ELISA Kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this Kit has been pre-coated with an antibody specific to Rat CTSB. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat CTSB and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat CTSB, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 +/- 2 nm. The OD value is proportional to the concentration of Rat CTSB. You can calculate the concentration of Rat CTSB in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of CTSB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CTSB purchase	MBS8427486 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CTSB, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CTSB. The ELISA analytical biochemical technique of the MBS8427486 kit is based on CTSB antibody-CTSB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CTSB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CTSB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTSB. It may not necessarily be applicable to this product.

Protein Family	Cathepsin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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