

Rat Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) CLIA Kit | UCHL1 clia kit

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CATALOG #
AAA140511

REACTIVITY
Rat

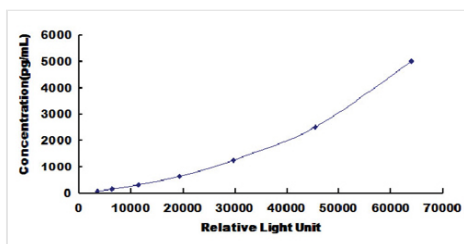
PRODUCT SYNONYMS

Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1); Rat Ubiquitin Carboxyl Terminal Hydrolase L1 (UCHL1) CLIA Kit; UCHL1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat UCHL1. No significant cross-reactivity or interference between rat UCHL1 and analogues was observed.
Intended Uses	The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of UCHL1 in rat tissue homogenates and other biological fluids.
Detection Range	78-5,000pg/mL. The standard curve concentrations used for the CLIA's were 5,000pg/mL, 2,500pg/mL, 1,250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL, 78pg/mL.
Sensitivity	The minimum detectable dose of rat UCHL1 is typically less than 25pg/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean RLU value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level rat UCHL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level rat UCHL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCHL1 clia kit

Principle of the assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UCHL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for UCHL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the UCHL1 level in the sample or standard.

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.

