

Rat Cathepsin G ELISA Kit | Ctsg elisa kit

Rat Cathepsin G ELISA Kit

CATALOG #
AAA98171

REACTIVITY
Rat

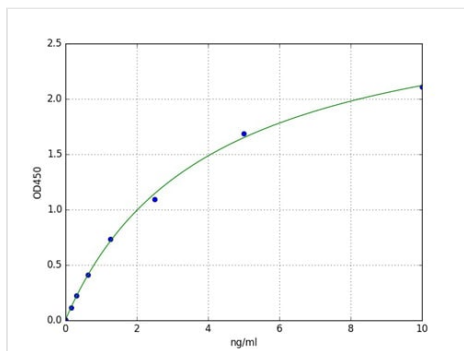
PRODUCT SYNONYMS

Cathepsin G; Rat Cathepsin G ELISA Kit; Ctsg; Ctsg elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	255
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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 run of a Rat Ctsg ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.002	0.064	0.117	0.226	0.438	0.740	1.372	2.398

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ctsg elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Ctsg antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Ctsg antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Ctsg amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Ctsg can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4503149

NCBI GeneID	1511
NCBI Accession #	NP_001902.1
NCBI GenBank Nucleotide #	NM_001911.2
Molecular Weight	28,837 Da
NCBI Official Full Name	cathepsin G preproprotein
NCBI Official Synonym Full Names	cathepsin G
NCBI Official Symbol	CTSG
NCBI Official Synonym Symbols	CG; CATG
NCBI Protein Information	cathepsin G
UniProt Protein Name	Cathepsin G
UniProt Gene Name	CTSG
UniProt Synonym Gene Names	CG
UniProt Entry Name	CATG_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ctsg-rat-elisa-kits/cathepsin-g/98171>