

## ARG83260 Human Cathepsin A / CTSA ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83260 Human Cathepsin A / CTSA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Cathepsin A / CTSA in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Cathepsin A / CTSA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	312 pg/ml - 20,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.4% Inter-Assay CV: 4.8%
Alternate Names	CTSA; Cathepsin A; Lysosomal Protective Protein; Carboxypeptidase C; PPGB; Carboxypeptidase Y-Like Kininase; Protective Protein Cathepsin A; Lysosomal Carboxypeptidase A; Carboxypeptidase-L; Urinary Kininase; EC 3.4.16.5; Deamidase; PPCA; GSL; Protective Protein For Beta-Galactosidase (Galactosialidosis); Protective Protein For Beta-Galactosidase; Beta-Galactosidase Protective Protein; Beta-Galactosidase 2; Carboxypeptidase L; EC 3.4.16; GLB2; NGB

### Application Instructions

Assay Time	~ 5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

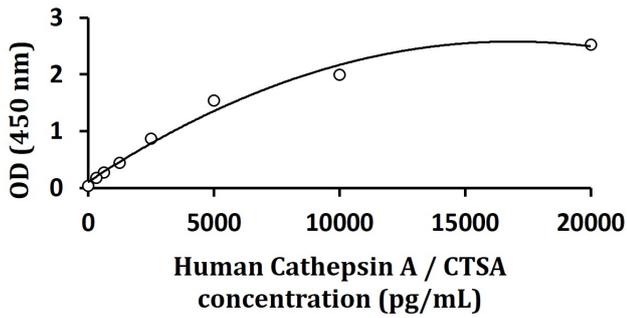
Gene Symbol	CTSA
Gene Full Name	Cathepsin A
Background	This gene encodes a member of the peptidase S10 family of serine carboxypeptidases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate two chains that comprise the heterodimeric active enzyme. This

enzyme possesses deamidase, esterase and carboxypeptidase activities and acts as a scaffold in the lysosomal multienzyme complex. Mutations in this gene are associated with galactosialidosis.

Function	Protective protein appears to be essential for both the activity of beta-galactosidase and neuraminidase, it associates with these enzymes and exerts a protective function necessary for their stability and activity. This protein is also a carboxypeptidase and can deamidate tachykinins.
PTM	Disulfide bond, Glycoprotein, Zymogen
Cellular Localization	Lysosome

## Images

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ARG83260 Human Cathepsin A / CTSA ELISA Kit standard curve image

ARG83260 Human Cathepsin A / CTSA ELISA Kit results of a typical standard run with optical density reading at 450 nm.