

Human High Temperature Requirement Factor A1 (HTRA1) CLIA Kit | HTRA1 clia kit

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CATALOG # AAA189131	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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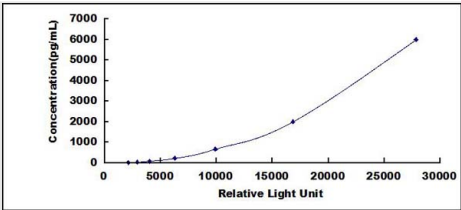
PRODUCT SYNONYMS

High Temperature Requirement Factor A1 (HTRA1); Human High Temperature Requirement Factor A1 (HTRA1) CLIA Kit; High Temperature Requirement Factor A1; HtrA; L56; ORF480; PRSS11; HtrA Serine Peptidase 1; Protease; Serine; 11; IGFBP5-Protease; High-temperature requirement A serine peptidase 1; HTRA1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Temperature Requirement Factor A1 (HTRA1). No significant cross-reactivity or interference between High Temperature Requirement Factor A1 (HTRA1) and analogues was observed.
Sequence Length	480
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	8.23-6,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 2.91pg/mL
Applicable Applications for HTRA1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Temperature Requirement Factor A1 (HTRA1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Temperature Requirement Factor A1 (HTRA1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to High Temperature Requirement Factor A1 (HTRA1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to High Temperature Requirement Factor A1 (HTRA1). 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 High Temperature Requirement Factor A1 (HTRA1) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202620
NCBI GeneID	5654
UniProt Accession #	Q92743
NCBI Official Full Name	Serine protease HTRA1
NCBI Official Synonym Full Names	HtrA serine peptidase 1
NCBI Official Symbol	HTRA1
NCBI Official Synonym Symbols	L56; HtrA; ARMD7; ORF480; PRSS11; CARASIL; CADASIL2
NCBI Protein Information	serine protease HTRA1
UniProt Protein Name	Serine protease HTRA1
UniProt Gene Name	HTRA1
UniProt Synonym Gene Names	HTRA; PRSS11
UniProt Entry Name	HTRA1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/high-temperature-requirement-factor-a1-htra1/189131>