

Bovine Aprotinin (AP) CLIA Kit | AP clia kit

Bovine Aprotinin (AP) CLIA Kit

CATALOG # AAA188443	REACTIVITY Bovine	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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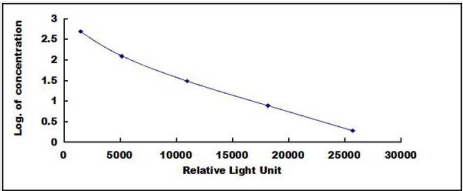
PRODUCT SYNONYMS

Aprotinin (AP); Bovine Aprotinin (AP) CLIA Kit; Aprotinin; BPTI; Trasylol; Pancreatic Trypsin Inhibitor; Basic protease inhibitor; AP clia kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Aprotinin (AP). No significant cross-reactivity or interference between Aprotinin (AP) and analogues was observed.
Sequence Length	100
Assay Type	Competitive Inhibition
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.95-500ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.71ng/mL
Applicable Applications for AP clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Aprotinin (AP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Aprotinin (AP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Aprotinin (AP). A competitive inhibition reaction is launched between biotin labeled Aprotinin (AP) and unlabeled Aprotinin (AP) (Standards or samples) with the pre-coated antibody specific to Aprotinin (AP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Aprotinin (AP) in the sample. 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 reverse proportional to the Aprotinin (AP) 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 #	115114
UniProt Accession #	P00974
NCBI Official Full Name	Pancreatic trypsin inhibitor
UniProt Protein Name	Pancreatic trypsin inhibitor
UniProt Gene Name	BPI
UniProt Synonym Gene Names	BPTI
UniProt Entry Name	BPT1_BOVIN

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/bovine-ovine-clia-kits/aprotinin-ap/188443>