

General Epinephrine (EPI) ELISA Kit | EPI elisa kit

General Epinephrine (EPI) Mini Samples ELISA Kit

CATALOG #
AAA190166

REACTIVITY
General

PRODUCT SYNONYMS

Epinephrine (EPI); General Epinephrine (EPI) Mini Samples ELISA Kit; EPI Mini-sample ELISA kit (General species); Epinephrine; Adrenaline; EPI elisa kit

PRODUCT SPECIFICATIONS

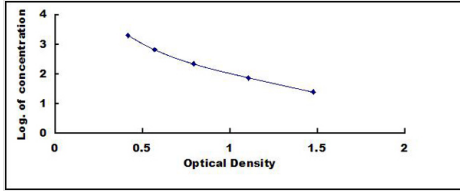
Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Epinephrine (EPI). No significant cross-reactivity or interference between Mini Samples Epinephrine (EPI) and analogues was observed. Reactive with General species EPI/Epinephrine
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Cell lysates and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	8.98pg/mL
Sample Size	15-25uL
Detection Method	Colormetric
Featured Series	ME kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Epinephrine (EPI) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Epinephrine (EPI) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (micro-volume samples 15-25 ul)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 25ul standard or sample to each well. And then add 25uL prepared Detection Reagent A immediately. Shake and mix. Incubate 1 hour at 37 degree C 3. Aspirate and wash 3 times 4. Add 50ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 5. Aspirate and wash 5 times 6. Add 50ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 7. Add 25ul Stop Solution. Read at 450 nm immediately.
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Mini Samples Epinephrine (EPI) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Mini Samples Epinephrine (EPI) and unlabeled Mini Samples Epinephrine (EPI) (Standards or samples) with the pre-coated antibody specific to Mini Samples Epinephrine (EPI). 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 Mini Samples Epinephrine (EPI) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Mini Samples Epinephrine (EPI) in the sample.
Research Area	Metabolic pathway, Infection immunity, Neuro science, Hormone metabolism

Preparation and Storage

Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)

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)

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/general-elisa-kits/epinephrine-epi/190166>