

Rat Epinephrine/Adrenaline ELISA Kit | EPI elisa kit

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CATALOG #
AAA16634

REACTIVITY
Rat

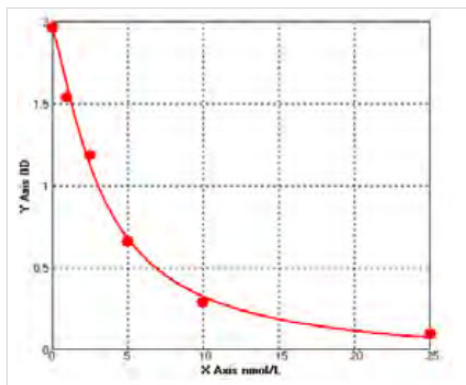
PRODUCT SYNONYMS

Epinephrine/Adrenaline; Rat Epinephrine/Adrenaline ELISA Kit; EPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of EPI. No significant cross-reactivity or interference between EPI and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EPI and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPI elisa kit	Principle of the Assay: EPI ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EPI antibody and an EPI-HRP conjugate. The assay sample and buffer are incubated together with EPI-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EPI concentration since EPI from samples and EPI-HRP conjugate compete for the anti-EPI antibody binding site. Since the number of sites is limited, as more sites are occupied by EPI from the sample, fewer sites are left to bind EPI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EPI concentration in each sample is interpolated from this standard curve. Intended Uses: This EPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat EPI. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223587854
UniProt Accession #	B9DR51
Molecular Weight	41,398 Da
NCBI Official Full Name	EPI protein
UniProt Protein Name	EPI protein
UniProt Gene Name	epi
UniProt Entry Name	B9DR51_LEPMC

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/epi-rat-elisa-kits/epinephrine-adrenaline/16634>