

Human Adrenaline/Noradrenaline/Dopamine ELISA Kit

Adrenaline/Noradrenaline/Dopamine (3 Cat) (Plasma/Urine) ELISA

CATALOG # AAA72589	REACTIVITY Human	APPLICATIONS ELISA
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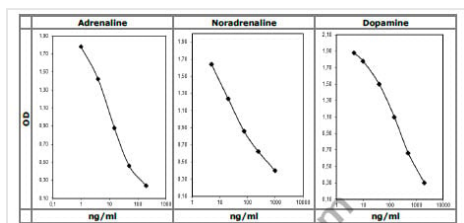
PRODUCT SYNONYMS

Adrenaline/Noradrenaline/Dopamine; Adrenaline/Noradrenaline/Dopamine (3 Cat) (Plasma/Urine) ELISA; ADRENALINE/NORADRENALINE/DOPAMINE (3 CAT) (PLASMA/URINE); Adrenaline/Noradrenaline/Dopamine elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Quantitative Competitive
Applicable Applications for Adrenaline/Noradrenaline/Dopamine elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Adrenaline/Noradrenaline/Dopamine elisa kit

Intended Uses: Enzyme Immunoassay for the quantitative determination of adrenaline (epinephrine), noradrenaline (norepinephrine) and dopamine in plasma and urine. Adrenaline (epinephrine), noradrenaline (norepinephrine), and dopamine are extracted by using a cis-diolspecific affinity gel, acylated and then converted enzymatically. The competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The derivatized standards, controls and samples and the solid phase bound analytes compete for a fixed number of antibody binding sites. After the system is in equilibrium, free antigen and free antigen-antibody complexes are removed by washing. The antibody bound to the solid phase is detected by an anti-rabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Quantification of unknown samples is achieved by comparing their absorbance with a standard curve prepared with known standard concentrations.

Principle of the Assay: Enzyme Immunoassay for the quantitative determination of adrenaline (epinephrine), noradrenaline (norepinephrine) and dopamine in plasma and urine. Adrenaline (epinephrine), noradrenaline (norepinephrine), and dopamine are extracted by using a cis-diolspecific affinity gel, acylated and then converted enzymatically. The competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The derivatized standards, controls and samples and the solid phase bound analytes compete for a fixed number of antibody binding sites. After the system is in equilibrium, free antigen and free antigen-antibody complexes are removed by washing. The antibody bound to the solid phase is detected by an anti-rabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Quantification of unknown samples is achieved by comparing their absorbance with a standard curve prepared with known standard concentrations.

Background/Introduction: In humans the catecholamines adrenaline (epinephrine), noradrenaline (norepinephrine) and dopamine are neurotransmitters of the sympathetic nervous system and are involved in many physiological processes. The sympathetic nervous system sets the body to a heightened state of alert, also called as the body's fight-orflight response. In the human body the catecholamines and their metabolites indicate the adaption of the body to acute and chronic stress.

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-elisa-kits/adrenaline-noradrenaline-dopamine/72589>