

Human 11-Deoxycortisol ELISA Kit

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CATALOG #
AAA55618

REACTIVITY
Human

PRODUCT SYNONYMS

11-Deoxycortisol; Human 11-Deoxycortisol ELISA Kit; 11-Deoxycortisol elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human 11-Deoxycortisol. No significant cross-reactivity or interference between Human 11-Deoxycortisol and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	1.25 pmol/mL - 20 pmol/mL
Sensitivity	0.625 pmol/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for 11-Deoxycortisol elisa kit

Intended Uses: For the quantitative detection of Human 11-Deoxycortisol concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to 11-Deoxycortisol. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated 11-Deoxycortisol. A competitive inhibition reaction is launched between 11-Deoxycortisol (Standards or samples) and biotin-conjugated 11-Deoxycortisol with the pre-coated antibody specific for 11-Deoxycortisol. The more amount of 11-Deoxycortisol in samples, the less antibody bound by biotin-conjugated 11-Deoxycortisol. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of 11-Deoxycortisol in the sample. The color development is stopped and the intensity of the color is measured.

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://www.aaabiotech.com/human-elisa-kits/11-deoxycortisol/55618>