

ARG80854 Human Testosterone ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80854 Human Testosterone ELISA Kit is an enzyme immunoassay kit for the quantification of Testosterone in serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Testosterone
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.083 ng/ml
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	0.2 - 16 ng/ml
Sample Volume	25 µl

Application Instructions

Assay Time	60, 15 min
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Testosterone
Background	<p>Testosterone (17β-hydroxy-4-androstene-3-one) is a C19 steroid with an unsaturated bond between C-4 and C-5, a ketone group in C-3 and a hydroxyl group in the β position at C-17.</p> <p>This steroid hormone has a molecular weight of 288.47. Testosterone is the most important androgen secreted into the blood. In males, testosterone is secreted primarily by the Leydig cells of the testes; in females ca. 50% of circulating testosterone is derived from peripheral conversion of androstenedione, ca. 25% from the ovary and ca. 25% from the adrenal glands.</p> <p>Testosterone is responsible for the development of secondary male sex characteristics and its measurements are helpful in evaluating the hypogonadal states. In women, high levels of testosterone are generally found in hirsutism and virilization, polycystic ovaries, ovarian tumors, adrenal tumors and adrenal hyperplasia. In men, high levels of testosterone are associated to the hypothalamic pituitary unit diseases, testicular tumors, congenital adrenal hyperplasia and prostate cancer. Low levels of</p>

testosterone can be found in patients with the following diseases: Hypopituitarism, Klinefelter's syndrome, Testicular feminization, Orchidectomy and Cryptorchidism, enzymatic defects and some autoimmune diseases.

Highlight

Related products:

[Testosterone antibodies; Testosterone ELISA Kits;](#)

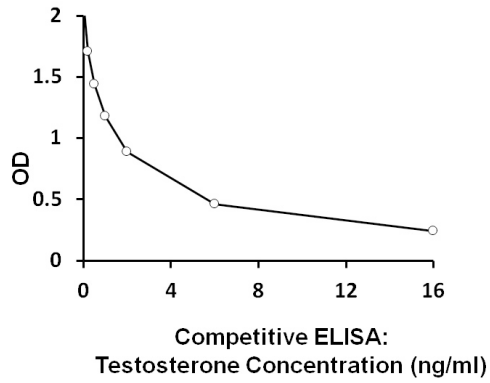
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Developmental Biology kit; Signaling Transduction kit

Images



ARG80854 Human Testosterone ELISA Kit example of standard curve image

ARG80854 Human Testosterone ELISA Kit results of a typical standard run with optical density reading at 450 nm.