

ARG80834 Human Androstenedione ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80834 Human Androstenedione ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Androstenedione in serum and plasma (EDTA).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Androstenedione
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.021 ng/ml
Sample Type	Serum and plasma (EDTA).
Standard Range	0.1 - 10 ng/ml
Sample Volume	20 µl

Application Instructions

Assay Time	1 h, 30 min (RT)
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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	Androstenedione
Background	<p>The steroid hormone Androstenedione is one of the main androgens, besides Testosterone and Dehydroepiandrosterone. Testosterone, the most important biological active androgen, is derived from peripheral enzymatic conversion of Androstenedione. In males, androgens are secreted primarily by the Leydig cells of the testes, to some degree also in the adrenal cortex. In females, the androgens are secreted mainly in the adrenal glands and in the ovary.</p> <p>Around 10% of the androgens are derived from peripheral conversion, mainly of DHEA. Androstenedione and Testosterone show high diurnal variability. The highest levels are measured in the morning. At the age of puberty serum androstenedione levels rise, after menopause they decline again. High androstenedione levels are measured during pregnancy.</p> <p>In women, high levels of androstenedione (47-100% above normal) are generally found in hirsutism, mostly in combination with other androgens as testosterone and DHEA-S. Androstenedione</p>

overproduction is due to ovarian dysfunction or may be of adrenal origin. High circulating androstenedione levels are found in women with polycystic ovaries and 21-hydroxylase effect. Significant lower androstenedione levels are found in postmenopausal osteoporosis.

Highlight

Related products:

[Androstenedione ELISA Kits:](#)

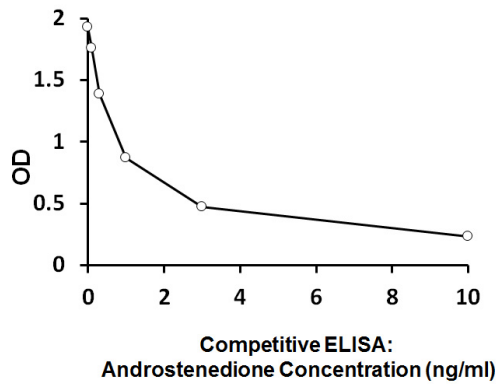
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Signaling Transduction kit

Images



ARG80834 Human Androstenedione ELISA Kit example of standard curve image

ARG80834 Human Androstenedione ELISA Kit results of a typical standard run with optical density reading at 450 nm.