ARG80858
Human Androstenedione ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80858 Human Androstenedione ELISA Kit provides competitive immunoenzymatic colorimetric method for the quantification of Androstenedione concentration in saliva.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Androstenedione
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	5 pg/ml
Sample Type	Saliva.
Standard Range	20 - 1000 pg/ml
Sample Volume	50 µl

Application Instructions

Assay Time	1 h (37°C), 15 min (RT)

Properties

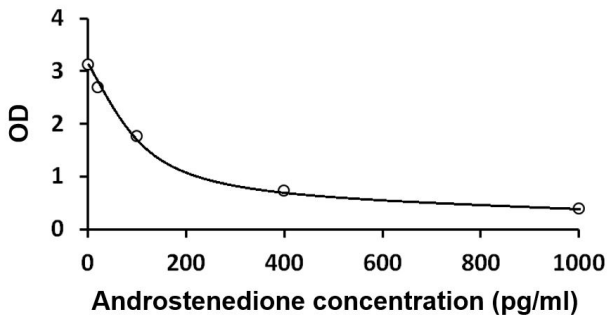
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Full Name	Androstenedione
Background	Androstenedione (also known as 4-androstenedione) is a 19-carbon steroid hormone produced in the adrenal glands and the gonads as an intermediate step in the biochemical pathway that produces the androgen testosterone and the estrogens estrone and estradiol. It is the common precursor of male and female sex hormones. Some androstenedione is also secreted into the plasma, and may be converted in peripheral tissues to testosterone and estrogens. Androstenedione originates either from the conversion of dehydroepiandrosterone or from 17-hydroxyprogesterone. It is further converted to either testosterone or estrone. The production of adrenal androstenedione is governed by ACTH, while production of gonadal androstenedione is under control by gonadotropins. In premenopausal women the adrenal glands and ovaries each produce about half of the total androstendione (about 3 mg/day). After menopause androstenedione production is about halved, primarily due to the reduction of steroid secreted by the

	ovary. Nevertheless, androstenedione is the principal steroid produced by the postmenopausal ovary. Increased Androstenedione levels often are seen in PCOS.
Highlight	Related products: Androstenedione ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Signaling Transduction kit

Images



ARG80858 Human Androstenedione ELISA Kit standard curve image

ARG80858 Human Androstenedione ELISA Kit results of a typical standard run with optical density reading at 450 nm.