

ARG80837 Human DHEA (sulfate form) ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG80837 Human DHEA (sulfate form) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human DHEA (sulfate form) in serum and plasma (EDTA).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	DHEA (sulfate form)
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.002 µg/ml
Sample Type	Serum and plasma (EDTA).
Standard Range	0.03 - 10 µg/ml
Sample Volume	10 µl

Application Instructions

Assay Time	1 h, 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	DHEA sulfate form
Background	<p>Dehydroepiandrosterone (5-Androstene-3 beta-oL-17-one, Androstenedione, Dehydroisoandrosterone, Transdehydroandrosterone, DHEA) is a steroid hormone present in blood mostly in its sulfate form (DHEA-S).</p> <p>DHEA-S is a more specific product of the adrenals and measurements of this steroid are widely used in clinical practice. The clinical importance of plasma assays of DHEA-S is associated with the diagnosis of adrenal hyperplasia and differential diagnosis of hirsutism.</p> <p>Dehydroepiandrosterone sulfate (DHEA-SO4) is almost exclusively synthesized by the adrenal cortex, and it is the most abundant steroid hormone in the peripheral circulation. It is the main source of the urinary 17-ketosteroids. The metabolic clearance of DHEA-SO4 is slow, and it is converted mostly to oestrogens. The hormone has a maximum level from puberty until 20-30 years of age, then there is a gradual decrease in the blood DHEA-SO4 concentration mainly in the menopause of women. Although the physiological role of DHEA-SO4 is not well established the serum level of this steroid hormone has an informative pathophysiological value.</p>

1. The serum DHEA-SO₄ radioimmunoassay seems to be a reliable tool to assess adrenal androgen function and the glandular overproduction of androgens.
2. High DHEA-SO₄ values indicate a virilizing disorder of adrenal origin in women. This includes mainly adrenal neoplasms or early or late onset of congenital adrenal hyperplasia.
3. Monitoring the DHEA-SO₄ concentration may be useful to control the adrenal suppressive therapy (dexamethasone).
4. Low DHEA-SO₄ levels can be an indicator of hormone-dependent immunological disorders.
5. Low levels of DHEA-SO₄ may be related to the development of diseases that increases with age such as cancer and atherosclerosis. In these circumstances a systematically repeated assessment of the blood DHEA-SO₄ values is recommended.

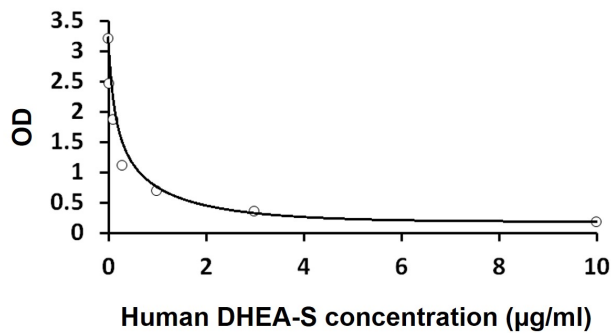
Highlight

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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Research Area

Signaling Transduction kit

Images



ARG80837 Human DHEA (sulfate form) ELISA Kit standard curve image

ARG80837 Human DHEA (sulfate form) ELISA Kit results of a typical standard run with optical density reading at 450 nm.