SANTA CRUZ BIOTECHNOLOGY, INC.

Testosterone (5E801): sc-73144



BACKGROUND

Testosterone is a steroid hormone from the androgen group that is primarily secreted by the testes but is also secreted in small quantities in the ovaries, cortices of the adrenal glands and placenta, usually from cholesterol. It is the principal male sex hormone that is necessary in the fetus for the development of male external genitalia. Testosterone stimulates protein synthesis and accounts for the greater muscular development of the male. It is also responsible for the development of male secondary sex characteristics, such as facial hair and voice depth. In both males and females, Testosterone plays key roles in health and well-being. Several man-made derivatives of Testosterone are used to treat advanced disseminated breast cancer in women, especially when it has spread to the bones.

REFERENCES

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- Yeap, B.B., Almeida, O.P., Hyde, Z., Norman, P.E., Chubb, S.A., Jamrozik, K. and Flicker, L. 2007. In men older than 70 years, total testosterone remains stable while free testosterone declines with age. The Health in Men Study. Eur. J. Endocrinol. 156: 585-594.

SOURCE

Testosterone (5E801) is a mouse monoclonal antibody raised against purified Testosterone conjugated to BSA.

PRODUCT

Each vial contains 100 $\mu g~lg G_{2a}$ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Testosterone (5E801) is recommended for detection of Testosterone of mouse, rat and human origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

SELECT PRODUCT CITATIONS

- Kang, Y.E., Seong, K.Y., Yim, S.G., Lee, Y., An, S.M., Kim, S.C., Kim, K., An, B.S., Lee, K.S. and Yang, S.Y. 2020. Nanochannel-driven rapid capture of sub-nanogram level biomarkers for painless preeclampsia diagnosis. Biosens. Bioelectron. 163: 112281.
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STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.