

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ER β (E101) Peptide

Cat No.: BS2429P

Background

The discovery of a second estrogen receptor has redefined the estrogen signaling pathway and may have broad implications on estrogen-responsive tissues.¹ The new estrogen receptor, named estrogen receptor-beta (ER β), is preferentially expressed in the prostate and maintains some characteristics that are different from ER α .² The rat tissue distribution and/or the relative level of ER α and ER β expression seems to be quite different, i.e., moderate to high expression in uterus, testis, pituitary, ovary, kidney, epididymis, and adrenal for ER α and prostate, ovary, lung, bladder, brain, bone, uterus, and testis for ER β . Within the same organ it often appears that the ER subtypes are expressed in different cell types, supporting the hypothesis that the ER's may have different biological functions. The discovery of ER β suggests the existence of two previously unrecognized pathways of estrogen signaling, via the ER β subtype in tissues exclusively expressing this subtype and via the formation of heterodimers in tissues expressing both ER subtypes. The existence of two ER subtypes, their differential expression pattern, and different actions on certain response elements could provide explanations for the striking species-, cell-, and promoter-specific actions of estrogens and antiestrogens.³ Both estrogen receptors appear to be involved in a multitude of regulatory events.

Swiss-Prot

Q92731

Applications

Blocking

Specificity

This peptide can be used with studies using BS2429 ER β (E101) pAb.

Purification & Purity

Synthetic peptide ER β (E101). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

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

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046,
P, R.China.

Email: info@biogot.com

Tel: +86-025-68037686 Fax: +86-025-68035151