

Product datasheet

Aromatase peptide ab51924

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Overview

Product name Aromatase peptide

Description

Nature Synthetic

Specifications

Our [Abpromise guarantee](#) covers the use of **ab51924** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-Aromatase antibody ([ab18995](#))

Purity > 90 % SDS-PAGE.

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: 0.02% Thimerosal (merthiolate)

Constituents: 0.1% BSA, PBS, pH 7.2

General Info

Function Catalyzes the formation of aromatic C18 estrogens from C19 androgens.

Tissue specificity Brain, placenta and gonads.

Involvement in disease Defects in CYP19A1 are a cause of aromatase excess syndrome (AEXS) [MIM:139300]; also known as familial gynecomastia. AEXS is characterized by an estrogen excess due to an increased aromatase activity.
Defects in CYP19A1 are the cause of aromatase deficiency (AROD) [MIM:107910]. AROD is a rare disease in which fetal androgens are not converted into estrogens due to placental aromatase deficiency. Thus, pregnant women exhibit a hirsutism, which spontaneously resolves

after post-partum. At birth, female babies present with pseudohermaphroditism due to virilization of external genital organs. In adult females, manifestations include delay of puberty, breast hypoplasia and primary amenorrhoea with multicystic ovaries.

Sequence similarities

Belongs to the cytochrome P450 family.

Cellular localization

Membrane.

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