

Product datasheet

Anti-Estriol antibody [EPPTXR3] ab150407

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Estriol antibody [EPPTXR3]
Description	Rabbit monoclonal [EPPTXR3] to Estriol
Host species	Rabbit
Tested applications	Suitable for: Competitive ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Chemical/ Small Molecule. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPPTXR3
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab150407 in the following tested applications.

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

Application	Abreviews	Notes
Competitive ELISA		Use a concentration of 0.075 µg/ml.

Target

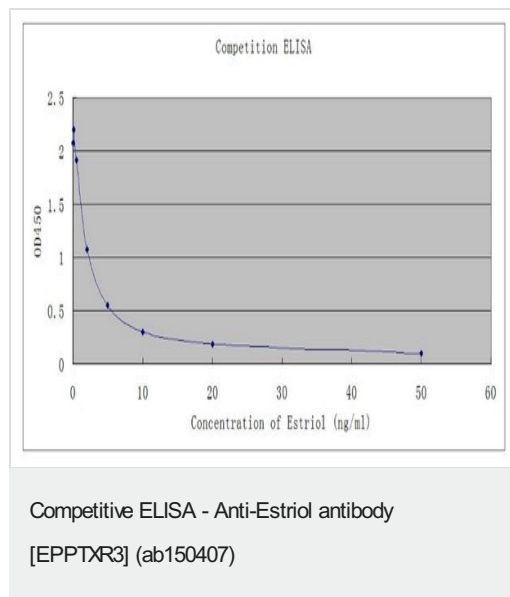
Relevance

Estriol is a hydroxylated metabolite of ESTRADIOL or ESTRONE that has a hydroxyl group at C3-beta, 16-alpha, and 17-beta position. Estriol is the main estrogen in the blood and urine of pregnant females. During pregnancy, large amount of estriol is produced by the placenta. Serum estriol determinations reflect the status of the fetus and are used to evaluate fetal distress and placental function. Estriol increases until term, reaches a plateau at the 40th week of gestation and then declines. Isomers with inversion of the hydroxyl group or groups are called epiestriol. It is used in the treatment of osteoporosis in combination with Vitamin D. Its expression also seems to be one of the direct causes of preterm labour, together with cervical ultrasound measurements and expression of Foetal Fibronectin.

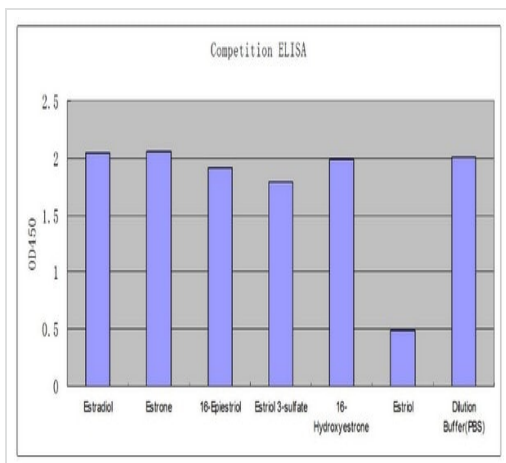
Cellular localization

Secreted

Images



2 µg/ml of goat anti-rabbit IgG was coated into 96-wells. After blocking with 1%BSA, serial dilution of Estriol (0, 0.1, 0.5, 2, 5, 10, 20, and 50ng/ml) were added together with HRP conjugated Estriol (1/100) and 0.075 µg/ml of ab150407 into 96-wells. After washing, TMB substrate was used to develop the color.



Competitive ELISA - Anti-Estriol antibody
[EPPTXR3] (ab150407)

2 ug/ml of goat anti-rabbit IgG was coated into 96-wells. After blocking with 1% BSA, 20ng/ml of various buffer containing Estriol, Estradiol, Estrone, 16-Epiestriol, Estriol 3-sulfate, 16-Hydroxyestrone, or PBS buffer only were added together with HRP conjugated Estriol (1/100) and 0.075 ug/ml of ab150407 into 96-wells. After washing, TMB substrate was used to develop the color.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Estriol antibody [EPPTXR3] (ab150407)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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