

For Research Use Only

# Estradiol Monoclonal antibody

Catalog Number: 68600-1-Ig



## Basic Information

Catalog Number:

68600-1-Ig

GenBank Accession Number:

GeneID (NCBI):

Purification Method:

Protein G purification

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop;

Full Name:

CloneNo.:

2E5E4

Source:

Mouse

Recommended Dilutions:

ELISA 1:5000-1:20000

Isotype:

IgG1

## Applications

Tested Applications:

ELISA

Positive Controls:

ELISA : Estradiol,

Species Specificity:

Estradiol

## Background Information

Estradiol is a naturally occurring hormone circulating endogenously in females. It is commercially available in several hormone therapy products for managing conditions associated with reduced estrogen, such as vulvovaginal atrophy and hot flashes. Some available forms of estradiol include oral tablets, injections, vaginal rings, transdermal patches, sprays, gels, and creams. This antibody can be used in the Elisa experiments.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

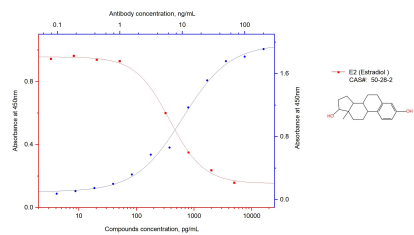
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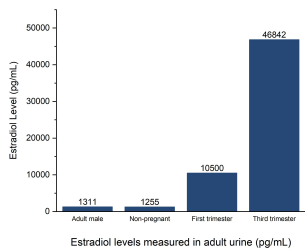
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## Selected Validation Data



Indirect ELISA was performed by coating BSA-Estradiol ~30 ng/well (by Estradiol amount), followed by blocking with 1% BSA. Serial diluted Estradiol antibody 68600-1-Ig was added to the plates and incubated at 37°C. HRP-Goat anti-mouse was used for detection (top X-right Y, blue curve). Competitive ELISA was performed similarly except that different concentration of Estradiol was mixed in 30ng/mL primary antibody (bottom X-left Y, red curve).



BSA-Estradiol was coated in 96 well plate at ~30 ng/well (by Estradiol amount), followed by blocking with 1% BSA. Different concentrations of Estradiol standard as well as diluted urine from different donor were mixed with 30 ng/mL Estradiol antibody 68600-1-Ig respectively. Urine Estradiol was calculated based on standard curve. Please notice that the level from different donor might be different between individuals.