

For Research Use Only

# Na Estradiol Monoclonal antibody, PBS Only



Catalog Number: 68600-1-PBS

## Basic Information

Catalog Number:

68600-1-PBS

Size:

100ug , Concentration: 1 mg/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein G purification

CloneNo.:

2E5E4

## Applications

Tested Applications:

ELISA, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS Only

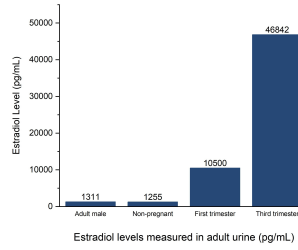
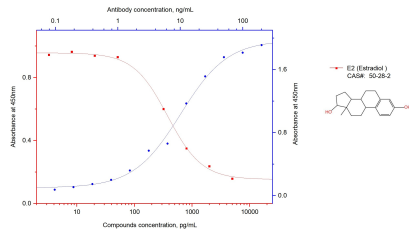
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## Selected Validation Data



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). This data was developed using the

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. This data was developed using the same antibody clone