

## General Estriol (E3) ELISA Kit | E3 elisa kit

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CATALOG #  
**AAA129672**

REACTIVITY  
**General**

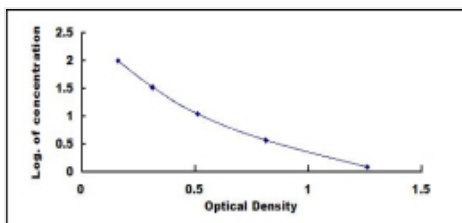
### PRODUCT SYNONYMS

Estriol (E3); General Estriol (E3) ELISA Kit; oestriol; E3 elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | General                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Estriol (E3).<br>No significant cross-reactivity or interference between Estriol (E3) and analogues was observed.                                                                                                                                                                                                                                                                                               |
| Sequence Length                                   | 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 1.23-100ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                       | 0.47ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Enzyme-linked immunosorbent assay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Estriol (E3) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                                    |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Estriol (E3) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                                      |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for E3 elisa kit | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Estriol (E3) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Estriol (E3) and unlabeled Estriol (E3) (Standards or samples) with the pre-coated antibody specific to Estriol (E3). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Estriol (E3) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Estriol (E3) in the sample. |
| Product Categories/Family for E3 elisa kit   | Endocrinology; Reproductive science; Hormone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                         |                           |
|-------------------------|---------------------------|
| NCBI GI #               | 221002                    |
| Molecular Weight        | 13,276 Da                 |
| NCBI Official Full Name | E3                        |
| UniProt Protein Name    | Early E3 14.5 kDa protein |
| UniProt Gene Name       | E3                        |
| UniProt Entry Name      | E3145_ADEB3               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/estriol-e3/129672>