



## Estriol (AS1.1): sc-57112

### BACKGROUND

Estriol, also referred to as thello, is one of the three main estrogens produced by humans, the others being estradiol and estrone. It is only produced in significant amounts during pregnancy, as it is made by the placenta. Estriol has a molecular weight of 288.39 g/mol with a hydroxyl group at its C3- $\beta$ , 16- $\alpha$  and 17- $\beta$  positions. Estriol levels in urine can be measured to give an indication of the general health of the fetus; low levels tend to indicate a problem with the development of the child. Synthetic Estriol is commonly used to treat estrogen deficiency. Estriol may be used as a hormone replacement therapy to protect against some symptoms experienced by postmenopausal women.

### REFERENCES

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### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### SOURCE

Estriol (AS1.1) is a mouse monoclonal antibody raised against Estriol.

### PRODUCT

Each vial contains 100  $\mu$ g IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### APPLICATIONS

Estriol (AS1.1) is recommended for detection of Estriol of N/A origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); may cross-react with Estriol 3-sulfate and Estriol 3-( $\beta$ -d-glucuronide).

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.