



Carbuncle BioScienTech, LLC,

Product Specification

**Anti-Estrone-3-sulfate (E1S) Monoclonal Antibody,
Clone No. E1S-016
Catalog No. CB02-E1S-S016**

Description: Mouse anti-estrone-3-sulfate monoclonal antibody, Clone No. E1S-016, unconjugated.

Immunogen: Estrone-3-sulfate derivative, conjugated with protein.

Form: Solution in Dulbecco's Phosphate-Buffered Saline (modified) containing 0.03% ProClin.

Quantity: 50 µg

Concentration: 0.9-1.1 mg/mL

Determined by extinction coefficient, absorbance at 280nm of 1.38 equals 1.0 mg of IgG ($E_{1\text{cm}}^{1\%} = 13.8$).

Purification: Affinity chromatography using protein G.

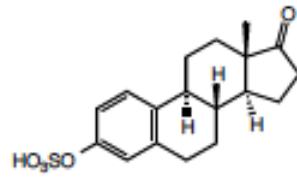
Application: Competitive immunoassay for detection of Estrone-3-sulfate.

Subclass: IgG1

Storage: store at -20°C or -75°C. Avoid freeze-thaw cycles.

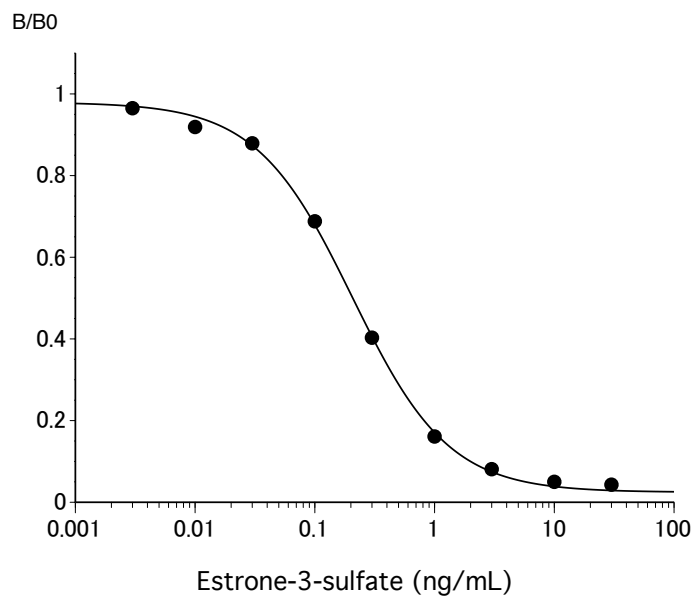
Stability : frozen, 1 year at -75°C or less.

Note: For research use only.



Estrone-3-sulfate

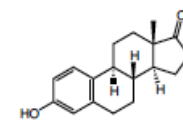
Typical standard curve for estrone-3-sulfate with competitive ELIA



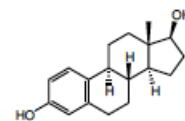
Cross-reactivity

Steroides	Cross-reactivity (%)
estrone-3-sulfate	100
estrone	<0.1
17beta-estradiol	<1.5
progesterone	<0.1

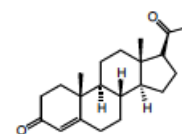
% of cross-reactivity was calculated at the 50 % binding point.



Estrone



17beta-estradiol



Progesterone