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Bovine/Horse/Sheep E2 (Estradiol) ELISA Kit

Cat #: G-EC-00059

Species: Bovine/Horse/Sheep

Sensitivity: 5.63pg/mL

Type: Competitive

Range: 9.37~600pg/mL

Detection: Colormetric

Duration: 2.5h

Principle:
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Bovine/Horse/Sheep E2. During the reaction, Bovine/Horse/Sheep E2 in samples or Standard competes with a fixed amount of Bovine/Horse/Sheep E2 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Bovine/Horse/Sheep E2. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of Bovine/Horse/Sheep E2 in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Bovine/Horse/Sheep E2 in samples. No significant cross-reactivity or interference between Bovine/Horse/Sheep E2 and analogues was observed.

UniProt ID:

Gene: E2

Synonyms:

Specimen: Serum and plasma

Application: This ELISA kit applies to the in vitro quantitative determination of Bovine/Horse/Sheep E2 concentrations in Serum and plasma.

Research Areas: Signal transduction, Neuroscience, Developmental biology

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.