

## Mouse and Rat Testosterone ELISA kit (1 Plate)

**Catalogue No.:** BEK-2362-1P

**Description:** The Mouse and Rat Testosterone ELISA is a competitive ELISA assay. Quantification is based on the competitive binding between testosterone in the sample and HRP-conjugated testosterone protein to a constant amount of polyclonal anti-testosterone antibody. Standards, controls and samples are incubated with testosterone-HRP conjugate and anti-testosterone detection antibody in anti-rabbit-IgG-coated wells. The coating antibody will capture testosterone-detection antibody complexes. During incubation, a fixed amount of HRP-labeled Testosterone competes with the endogenous Testosterone in the standard, sample, or quality control serum for a fixed number of binding sites of the specific Testosterone antibody. Thus, the amount of Testosterone-HRP conjugate bound to the well progressively decreases as the concentration of Testosterone in sample and standard increases. Unbound Testosterone peroxidase conjugate is then removed and the wells washed. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of testosterone present in the samples. The purpose of this kit is the quantitative determination of mouse and rat testosterone in serum. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Storage:** Store at 2-8C.

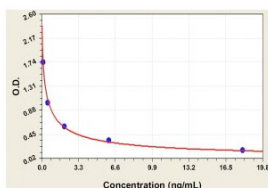
**Kit components:** The ELISA kit box contains 1 x 96-well pre-coated strip plate, ready-to-use testosterone standards, testosterone-HRP conjugate, detection antibody, buffer solutions, TMB substrate, stop solution and detailed protocols.

**Range:** 0.1 - 18 ng/mL

**Sensitivity:** 0.1 ng/mL, determined as concentration at blank plus 2x standard deviation of blank (n=20).

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



FOR RESEARCH USE ONLY