

Product Datasheet

Rat PDE5A(Phosphodiesterase 5A, cGMP Specific) ELISA Kit orb1994850

Description Rat PDE5A(Phosphodiesterase 5A, cGMP Specific) ELISA Kit

Reactivity Rat

Range 0.16-10 ng/mL

Sensitivity 0.078 ng/mL

Note For research use only.

Sample Types serum, plasma, tissue homogenates and other biological fluids

Expiration Date Please enquire.

Application Notes The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat PDE5A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PDE5A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat PDE5A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Rat PDE5A in the samples is then determined by comparing the OD of the samples to the standard curve.