

Product Datasheet

Rat Tryptophan (Trp) ELISA Kit (orb1173588)

Catalog Number orb1173588

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Tryptophan(Trp) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tryptophan(Trp). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Tryptophan(Trp) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Range 1.57-100 $\mu\text{g/mL}$

Tested Applications ELISA

Concentration 100 $\mu\text{g/mL}$

Note For research use only

Application notes standard: 100 $\mu\text{g/mL}$. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat Trp protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Trp. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Trp in the samples is then determined by comparing the OD of the samples to the standard curve

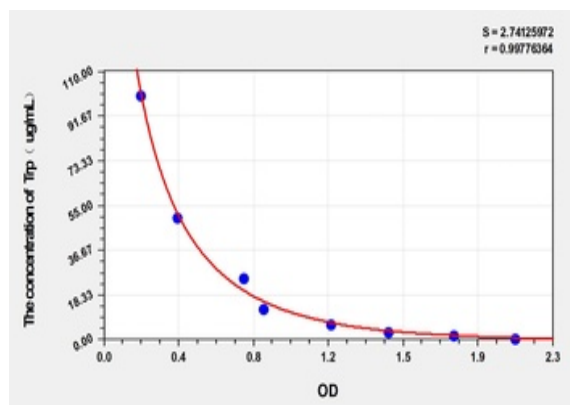
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Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	2.5h
Sensitivity	0.6 µg/mL
Expiration Date	Please enquire.

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