

Product Datasheet

Sheep Beta-Endorphin (bEP) ELISA Kit (orb1950138)

Catalog Number	orb1950138
Category	Assays and Kits
Description	<p>This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Sheep bEP protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep bEP. 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 Sheep bEP in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Sheep
Concentration	1000 pg/mL
Application notes	<p>standard: 1000 pg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Sheep bEP protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep bEP. 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 Sheep bEP in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Assay Type	Competitive
Assay Time	2h

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Range	15.63-1000 pg/mL
Sensitivity	6.15 pg/mL
Sample Types	Serum, plasma and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.

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