

## Biotin ELISA Kit

Catalog No: #EK8713



Package Size: #EK8713-1 48T #EK8713-2 96T

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## Description

Product Name	Biotin ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	N/A
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:3.125-200 ng/mL

Sensitivity:1.15 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:Competitive ELISA**  
**Test principle:**This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Biotin. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated Biotin and incubated. The competitive inhibition reaction is launched between with HRP labeled Biotin and unlabeled Biotin with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of Biotin in the sample. The color development is stopped and the intensity of the color is measured.

**Note:** This product is for in vitro research use only