

## Rat Vitamin B6 (VB6) ELISA Kit

Catalog No: #EK5901



Package Size: #EK5901-1 48T #EK5901-2 96T

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## Description

Product Name	Rat Vitamin B6 (VB6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
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:3.70-300 ng/mL

Sensitivity:1.42 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:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate VB6 in samples. An antibody specific for VB6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVB6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VB6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VB6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PFDN3 interacts with the Von Hippel-Lindau protein to form an intracellular complex. it is suspected that it may play a role in the transport of the Von Hippel-Lindau protein from the perinuclear granules to the nucleus or cytoplasm.In fetal stages between days 9 and 18 of gestation, Vbp1 was expressed mainly in the central nervous system, retina, and liver. In addition, at day 12, high expression was observed in the labyrinthine region of the placenta.

In later stage placentas, Vbp1 expression was, however, considerably reduced. In brain, eye, kidney, and intestine, however, Vbp1 was expressed in specific cell types. In cerebellum and various tumors of VHL patients, no consistent differences in VBP1 expression levels could be detected between tumors characteristic of von Hippel-Lindau disease and normal tissue.

Note: This product is for in vitro research use only