

## Bovine Paired box protein Pax-6 (PAX6) ELISA Kit

Catalog No: #EK11475



Package Size: #EK11475-1 48T #EK11475-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Bovine Paired box protein Pax-6 (PAX6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	AN; AN2; D11S812E; MGC17209; MGDA; WAGR; OTTHUMP00000038834 OTTHUMP00000038836 OTTHUMP00000038837 OTTHUMP00000038838 OTTHUMP00000038839 OTTHUMP00000038840 paired box gene 6 paired box homeotic gene-
Accession No.	Q1LZF1
Uniprot	Q1LZF1
GeneID	286857;
Storage	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.  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).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.065 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 PAX6 in samples. An antibody specific for PAX6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPAX6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAX6 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 PAX6 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PAX6 is the most researched of the Pax genes and appears throughout the literature as a "master control" gene for the development of eyes and other sensory organs, certain neural and epidermal tissues as well as other homologous structures, usually derived from ectodermal tissues. This transcription factor is most famous for its use in the interspecifically induced expression of ectopic eyes and is of medical importance because heterozygous mutants produce a wide spectrum of ocular defects such as Aniridia in humans. PAX6 protein function is highly conserved across bilaterian species, for instance mouse PAX6 can trigger eye development in Drosophila melanogaster.

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Note: This product is for in vitro research use only