

## Human Paired box protein Pax-9 (PAX9) ELISA Kit

Catalog No: #EK8656



Package Size: #EK8656-1 48T #EK8656-2 96T

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## Description

Product Name	Human Paired box protein Pax-9 (PAX9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	STHAG3; paired domain gene 9
Accession No.	P55771
Uniprot	P55771
GeneID	5083;
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:0.312-20 ng/mL

Sensitivity:0.115 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 PAX9 in samples. An antibody specific for PAX9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPAX9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAX9 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 PAX9 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**PAX9 is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 9 gene is unknown but it may involve development of stratified squamous epithelia as well as various organs and skeletal elements.Stapleton et al. (1993) isolated a cosmid for PAX9, a novel member of the paired box-containing gene family. They found it to be closely related in its paired domain to PAX1. Wallin et al. (1993) independently cloned the Pax9 gene in the mouse. PAX9 is a member of the same subgroup as Pax1/undulated.

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Note: This product is for in vitro research use only