

# Human Programmed cell death protein 5 (PDCD5) ELISA Kit

Catalog No: #EK8626

Orders: order@signalwayantibody.com

Package Size: #EK8626-1 48T #EK8626-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Programmed cell death protein 5 (PDCD5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC9294; TFAR19; TF1 cell apoptosis-related gene 19 TFAR19 novel apoptosis-related
Accession No.	O14737
Uniprot	O14737
GeneID	9141;
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:0.156-10 ng/mL

Sensitivity:0.057 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 PDCD5 in samples. An antibody specific for PDCD5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPDCD5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDCD5 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 PDCD5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PDCD5 encodes a protein expressed in tumor cells during apoptosis independent of the apoptosis-inducing stimuli. Prior to apoptosis induction, this gene product is distributed in both the nucleus and cytoplasm. Once apoptosis is induced, the level of this protein increases and by relocation from the cytoplasm, it accumulates in the nucleus. Although its exact function is not defined, this protein is thought to play an early and universal role in apoptosis.This TFAR19 gene encodes a protein of 125 amino acids, with an ATG initiation codon at nucleotides 25-27. It contains a cAMP- and cGMP-dependent protein kinase phosphorylation site, multiple protein kinase C phosphorylation sites, and a casein kinase II phosphorylation site. It shares significant homology to the corresponding proteins of species ranging from yeast to mice.

---

Note: This product is for in vitro research use only