

Human Programmed cell death 6-interacting protein (PDCD6IP) ELISA Kit

Catalog No: #EK8624

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Package Size: #EK8624-1 48T #EK8624-2 96T

Description

Product Name	Human Programmed cell death 6-interacting protein (PDCD6IP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AIP1; Alix; DRIP4; HP95; MGC17003; ALG-2 interacting protein 1 ALG-2 interacting protein X apoptosis-linked gene 2-interacting protein X dopamine receptor interacting protein 4 programmed cell death
Accession No.	Q8WUM4
Uniprot	Q8WUM4
GeneID	10015;
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 PDCD6IP in samples. An antibody specific for PDCD6IP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPDCD6IP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDCD6IP 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 PDCD6IP bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Programmed cell death 6-interacting protein is a protein thought to participate in programmed cell death. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner.

This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization which may be partly responsible for the protection against cell death.Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only