

Human Keratin, type II cytoskeletal 4 (KRT4) ELISA Kit



Catalog No: #EK10174

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Package Size: #EK10174-1 48T #EK10174-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Keratin, type II cytoskeletal 4 (KRT4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CK4; CYK4; FLJ31692; K4; cytokeratin 4 keratin; type II cytoskeletal 4
Accession No.	P19013
Uniprot	P19013
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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate KRT4 in samples. An antibody specific for KRT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKRT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KRT4 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 KRT4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Keratin 4 isa member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]. Sequence Note: The RefSeq represents one of two co-dominant alleles identified for this gene.

Note: This product is for in vitro research use only