

Human Keratin, type II cytoskeletal 7 (KRT7) ELISA Kit

Catalog No: #EK10172

Package Size: #EK10172-1 48T #EK10172-2 96T

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Description

Product Name	Human Keratin, type II cytoskeletal 7 (KRT7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CK7; K2C7; K7; MGC129731; MGC3625; SCL; cytokeratin 7 keratin; 55K type II cytoskeletal keratin; simple epithelial type I; K7 keratin; type II cytoskeletal 7 sarcolectin type II mesothelial keratin
Accession No.	P08729
Uniprot	P08729
GeneID	3855;
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:78.1-5000 pg/mL
Sensitivity:28 pg/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 KRT7 in samples. An antibody specific for KRT7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKRT7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KRT7 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 KRT7 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Keratin 7 is a member of the keratin family. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels.

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 the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.

Note: This product is for in vitro research use only