

# Mouse Keratin, type I cytoskeletal 19 (KRT19) ELISA Kit



Catalog No: #EK10177

Orders: order@signalwayantibody.com

Package Size: #EK10177-1 48T #EK10177-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Keratin, type I cytoskeletal 19 (KRT19) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	CK19; K19; K1CS; MGC15366; 40-kDa keratin intermediate filament cytokeratin 19 keratin; type I cytoskeletal 19 keratin; type I; 40-kd
Accession No.	P19001
Uniprot	P19001
GeneID	16669;
Storage	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.  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).

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:13.6 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:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate KRT19 in samples. An antibody specific for KRT19 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKRT19 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KRT19 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 KRT19 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Keratin, type I cytoskeletal 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains.

Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.Keratin 19 is a type I cytokeratin.

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Note: This product is for in vitro research use only