

Bovine Keratin, type I cytoskeletal 26 (KRT26) ELISA Kit

Catalog No: #EK11538

Orders: order@signalwayantibody.com

Package Size: #EK11538-1 48T #EK11538-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Bovine Keratin, type I cytoskeletal 26 (KRT26) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	CK26; K25IRS2; K26; KRT25B; cytokeratin-26 keratin 25B keratin; type I cytoskeletal 26 type I inner root sheath specific keratin 25 irs2
Accession No.	A6H712
Uniprot	A6H712
GeneID	539216;
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:0.156-10 ng/mL

Sensitivity:0.056 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 KRT26 in samples. An antibody specific for KRT26 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKRT26 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KRT26 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 KRT26 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Keratin is the key structural material making up the outer layer of human skin. It is also the key structural component of hair and nails. Keratin monomers assemble into bundles to form intermediate filaments, which are tough and insoluble and form strong unmineralized tissues found in reptiles, birds, amphibians, and mammals.

KRT26is a member of the keratin superfamily. This keratin protein is a type I keratin that is specific for the inner root sheath of the hair follicle. This gene exists in a cluster with other keratin genes on chromosome 17q21. Strongly expressed in skin and scalp, and weak expression observed in thymus and tongue. In the hair follicle, expression is restricted to the mid- to upper inner root sheath cuticle, being present slightly above the apex of the dermal papilla (at protein level).

Note: This product is for in vitro research use only