

Sheep Collagen alpha-1 (XVIII) chain (COL18A1) ELISA Kit



Catalog No: #EK12307

Orders: order@signalwayantibody.com

Package Size: #EK12307-1 48T #EK12307-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Sheep Collagen alpha-1 (XVIII) chain (COL18A1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Sheep (<i>Ovis aries</i>)
Other Names	FLJ27325; FLJ34914; KNO; KNO1; MGC74745; alpha 1 type XVIII collagen antiangiogenic agent endostatin multi-functional protein MFP
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:Request Information

Sensitivity:Request Information

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 COL18A1 in samples. An antibody specific for COL18A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCOL18A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COL18A1 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 COL18A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Collagen, type XVIII, alpha 1, also known as COL18A1,alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains.The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Two transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only