

Sheep Interleukin 10 (IL-10) ELISA Kit

Catalog No: #EK11996



Package Size: #EK11996-1 48T #EK11996-2 96T

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Sheep Interleukin 10 (IL-10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Sheep (<i>Ovis aries</i>)
Other Names	CSIF; IL-10; IL10A; MGC126450; MGC126451; TGIF; cytokine synthesis inhibitory factor
Accession No.	Q29408
Uniprot	Q29408
GeneID	443342;
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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate IL10 in samples. An antibody specific for IL10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL10 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 IL10 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Interleukin-10 is a small protein known as a cytokine that functions as an important regulator of the immune system. Although IL-10 is known to have many different roles in the immune system, its two major activities include inhibition of cytokine production by macrophages and inhibition of the accessory functions of macrophages during T cell activation. The effects of these actions cause IL-10 to play mainly an anti-inflammatory role in the immune system. IL-10 was originally known as the cytokine synthesis inhibiting factor (CSIF), and the discovery of this protein was based on its biological activity. IL-10 is mainly produced by the Th2 subset of CD4+ helper cells. However, it is also produced by some activated B cells, some Th1 cells , activated macrophages, and some nonhematopoietic sources .

Note: This product is for in vitro research use only