

Rabbit Interleukin 27 (IL-27) ELISA Kit

Catalog No: #EK12290



Package Size: #EK12290-1 48T #EK12290-2 96T

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Description

Product Name	Rabbit Interleukin 27 (IL-27) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rabbit (<i>Oryctolagus cuniculus</i>)
Other Names	IL-27; IL-27A; IL27p28; IL30; MGC71873; p28; IL-27 p28 subunit interleukin 30 interleukin-27 subunit alpha
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 IL27 in samples. An antibody specific for IL27 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL27 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL27 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 IL27 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Product Overview:Interleukin 27 is a non-covalently linked heterodimeric cytokine that is structurally related to IL-12. It is composed of an Epstein-Barr virus-induced molecule 3 subunit linked with the IL-27 p28 subunit. IL-27 is produced by activated antigen presenting cells including monocytes, endothelial cells, and dendritic cells.Interleukin-30 (IL-30) is a protein with a molecular weight of 28 kilodaltons, which forms one chain of the heterodimeric cytokine called interleukin 27 (IL-27), thus is sometimes called IL27-p28. The other chain of IL-27 is a molecule called Epstein-Barr induced gene-3 (EBI3). IL-30 is a member of the long-chain, 4-helix bundle family of cytokines, making it structurally similar to IL-6. This gene for this molecule is now officially called IL-27 under HGNC guidelines.

Note: This product is for in vitro research use only