

Sheep Interleukin 2 (IL-2) ELISA Kit

Catalog No: #EK11556



Package Size: #EK11556-1 48T #EK11556-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

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|--------------------|---|
| Product Name | Sheep Interleukin 2 (IL-2) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Sheep (Ovis aries) |
| Other Names | IL-2; TCGF; lymphokine; T cell growth factor aldesleukin interleukin-2 involved in regulation of T-cell clonal expansion |
| Accession No. | P19114 |
| Uniprot | P19114 |
| GenID | 443401; |
| 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:1.56-100 ng/mL

Sensitivity:0.51 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 IL2 in samples. An antibody specific for IL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL2 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 IL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Interleukin 2 (IL-2) is a pleiotropic cytokine produced primarily by mitogen- or antigen-activated T lymphocytes. IL-2 plays a key role in promoting the clonal expansion of antigen-specific T cells. In addition, IL-2 has also been shown to mediate multiple immune responses on a variety of cell types.

IL-2 stimulates the proliferation of thymocytes; stimulates the proliferation and differentiation of activated B cells; promotes the growth, differentiation and cytotoxic activity of monocytes; induces the growth of and cytokine production and cytolytic activity by natural killer cells; enhances the production of lymphocyte-activated killer (LAK) cells; and induces the proliferation and differentiation of oligodendrocytes .

Note: This product is for in vitro research use only