

Human Interleukin 17A (IL-17A) ELISA Kit

Catalog No: #EK12044



Package Size: #EK12044-1 48T #EK12044-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Interleukin 17A (IL-17A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CTLA8; IL-17; IL-17A; IL17; cytotoxic T-lymphocyte-associated antigen 8 cytotoxic T-lymphocyte-associated protein 8 cytotoxic T-lymphocyte-associated serine esterase 8 interleukin 17 (cytotoxic T-ly
Accession No.	Q16552
Uniprot	Q16552
GeneID	3605;
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:15.6-1000 pg/mL

Sensitivity:5.5 pg/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 IL17A in samples. An antibody specific for IL17A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL17A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL17A 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 IL17A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Interleukin 17 (IL-17; also known as IL-17A) is a 30 - 35 kDa variably glycosylated homodimeric protein that belongs to a unique family of cysteine-knot related proteins. Its sequence was originally isolated from an activated rodent hybridoma and termed CTLA-8 . It is synthesized as a 155 amino acid (aa) precursor that contains a 23 aa signal sequence and a 15 kDa, 132 aa mature segment. Although there are two intrachain disulfide bonds that create a ring reminiscent of those found in cysteine-knot proteins, the actual closed knot structure does not appear to form. IL-17 has one potential N-linked glycosylation site.IL-17, a T cell-derived proinflammatory cytokine, is produced by TCRα/β+CD4-CD8- thymocytes, as well as by activated CD4+ and CD4+CD45RO+ memory T cells.

Note: This product is for in vitro research use only