

Product datasheet for **EA200017**

Human IL17 (IL17A) ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human IL17A ELISA Kit for the detection of Human IL17A in serum, plasma, and other biological fluids.
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich ELISA kit of Quantitative Detection for Human IL17A
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	15.6pg/ml-1000pg/ml
Sample Type:	Human serum, plasma and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of Human IL17A
Sensitivity:	4.3pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">● IL17A Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate● Recombinant Human IL17A Standard (50ng/ml) 0.1 mL● 100x HRP conjugated S100B Detection Antibody 0.12 mL● Assay Buffer 60 mL● Wash Buffer Concentrate 20X 60 mL● TMB Substrate 12 mL● Stop Solution 12 mL● Plate Sealer 2 pieces



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Background:

Interleukin-17A is a protein that in humans is encoded by the IL17A gene. In rodents, IL17A used to be referred to as CTLA8. It is a proinflammatory cytokine produced by activated T cells. This cytokine can stimulate the expression of IL-6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL17A has been shown to be mostly beneficial against infection caused by extracellular bacteria and fungi. In addition, IL17A has been shown to recruit myeloid derived suppressor cells to dampen anti-tumor immunity, and enhance tumor growth in vivo through the induction of IL-6. IL17A seemed to facilitate development of colorectal carcinoma by fostering angiogenesis via promote VEGF production from cancer cells. High levels of IL17A are associated with several chronic inflammatory diseases such as inflammatory bowel diseases (IBD), rheumatoid arthritis (RA), psoriasis, Systemic lupus erythematosus (SLE) and multiple sclerosis. The presence of IL17A has also been proven in a number of ocular diseases associated with neovascularization. Elevated concentrations of IL17A have been shown in vitreous fluid during proliferative diabetic retinopathy, and higher concentrations of IL17A have been observed in patients with age-related macular degeneration.

Gene Symbol:

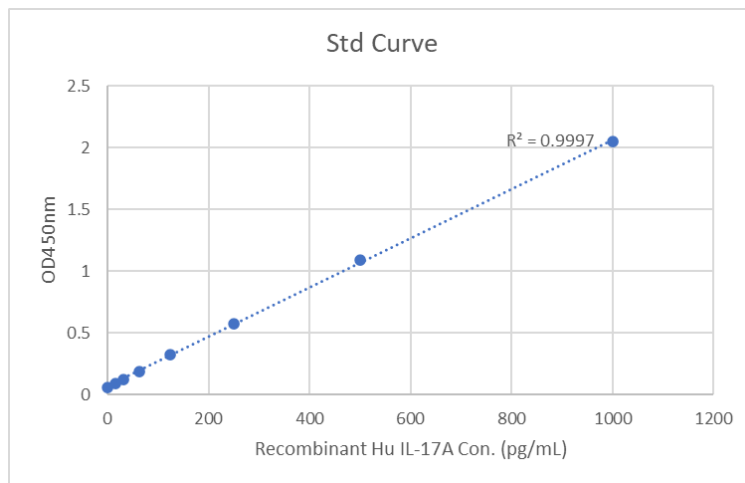
IL17A

Gene ID:

3605

Standard Curve:

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Data image for Hu IL17A ELISA kit.

Product images:

Data image for Hu IL17A ELISA kit.