

ARG80176 Human IL5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80176-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80176-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80176-003	Standard diluent buffer	20 ml	4°C
ARG80176-004	Antibody conjugate concentrate	400 µl	4°C
ARG80176-005	Antibody diluent buffer	16 ml	4°C
ARG80176-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80176-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80176-008	20X Wash buffer	50 ml	4°C
ARG80176-009	TMB substrate	12ml	4°C (Protect from light)
ARG80176-010	STOP solution	12ml	4°C
ARG80176-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80176 Human IL5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL5 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human GM-CSF, IL-3, IL-5 R alpha, IL-5 R beta, mouse IL-5
Target Name	IL5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Eosinophil differentiation factor; EDF; IL-5; TRF; T-cell replacing factor; B-cell differentiation factor I; Interleukin-5

Application Instructions

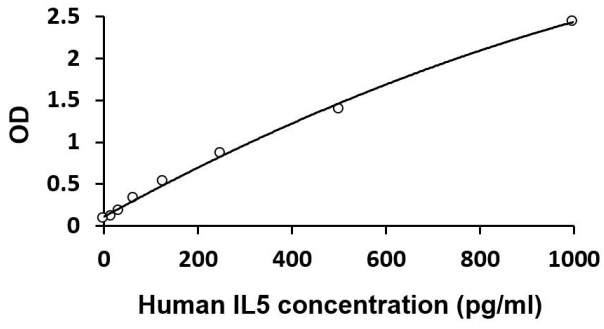
Assay Time	4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3567 Human Swiss-port # P05113 Human
Gene Symbol	IL5
Gene Full Name	interleukin 5
Background	Interleukin 5 (IL5) is a cytokine produced primarily by activated T lymphocytes. It exists as an antiparallel disulfide linked homodimeric glycoprotein with 115 amino-acid residues in each chain. Known also as EDF (eosinophil differentiating factor), functions predominantly as an eosinophilopoietic factor. Analysis of its crystal structure reveals a novel two-domain structure, with each domain showing significant homology to the cytokine fold in GM-CSF, M-CSF, IL2, IL4 and growth hormone. Human and mouse IL5 have 70% amino acid sequence homology.
Highlight	Related products: IL5 antibodies ; IL5 ELISA Kits ; IL5 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit



ARG80176 Human IL5 ELISA Kit standard curve image

ARG80176 Human IL5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
