

Human IL3 ELISA Kit | IL3 elisa kit

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CATALOG #
AAA258439

REACTIVITY
Human

PRODUCT SYNONYMS

IL3; Human IL3 ELISA Kit; IL3 ELISA Kit; Human; interleukin 3; IL-3 ELISA Kit; Interleukin-3 ELISA Kit; MCGF ELISA Kit; MULTI-CSF ELISA Kit; IL3 elisa kit

PRODUCT SPECIFICATIONS

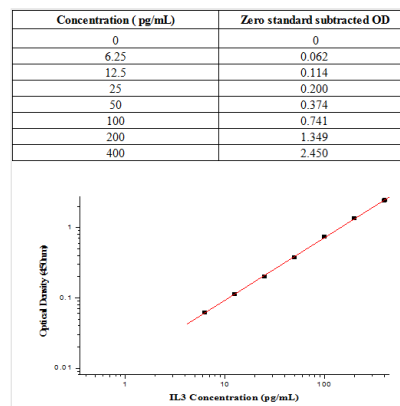
Reactivity	Human
Specificity	The kit has been verified by high purity Human IL3 recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	6.25-400pg/mL
Sensitivity	2.9pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant human IL3 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
G-CSF	IL-1 α	IL-1 β	IL-2
IL-7	LIF	TGF- β 1	TNF- α
TNF- β	IL-1	IL-2	IL-33
IL-10	IL-8	TNF- α	IL-4
IL-6	IFN- γ	MIP-1 β	TIMP-1
TIMP-2	GM-CSF	SCF	PDGF
VEGF	IL-3 Ra	IL-3 R β	
Recombinant mouse			
GM-CSF	IL-1 β	IL-4	IL-5
IL-6	IL-7	IL-3	

Application Data

This assay recognizes both recombinant and natural Human IL3. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL3 elisa kit	This IL3 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL3 protein in Recombinant protein. It contains recombinant Human IL3, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: IL3 (interleukin 3), also known as IL-3, is a potent growth-promoting cytokine that belongs to the IL-3 family. IL3/IL-3 also belongs to the group of interleukins. Interleukins are produced by a wide variety of body cells. The function of the immune system depends in a large part on interleukins, and rare deficiencies of a number of them have been described, all featuring autoimmune diseases or immune deficiency. The majority of interleukins are synthesized by helper CD4+ T lymphocytes, as well as through monocytes, macrophages, and endothelial cells. They promote the development and differentiation of T, B, and hematopoietic cells. IL3/IL-3 is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation, and apoptosis. IL3/IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.
References	Meyer CG, et al.. (2011) IL3 variant on chromosomal region 5q31-33 and protection from recurrent malaria attacks. Hum Mol Genet. 20(6):1173-81. Zambrano A, et al. (2010) IL-3 controls tau modifications and protects cortical neurons from neurodegeneration. Curr Alzheimer Res. 7(7):615-24. Dentelli P, et al.. (2011) IL-3 is a novel target to interfere with tumor vasculature. Oncogene. 30(50):4930-40.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/il3/258439>