

ARG83026 Porcine IL10 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83026 Porcine IL10 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Porcine IL10 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Pig
Tested Application	ELISA
Specificity	Not cross-reacts with: Human IL-4, porcine, IFN gamma. Mouse IL-4, porcine, IFN gamma. Rat IL-4, porcine, IFN gamma.
Target Name	IL10
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.44 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	46.875 - 3000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	IL10, Interleukin 10 ,IL 10, CSIF, Cytokine Synthesis Inhibitory Factor, IL10A, TGIF, T Cell Growth Inhibitory Factor, Interleukin 10, GVHDS

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.

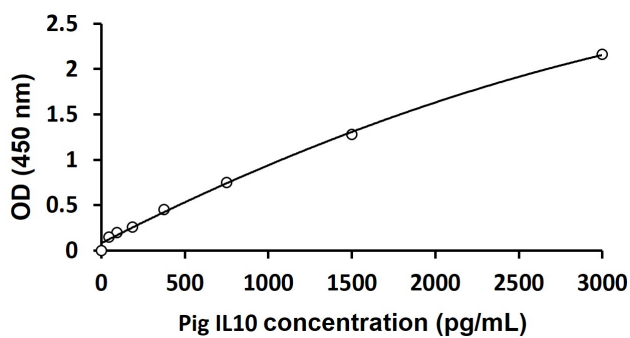
Bioinformation

Gene Symbol	IL10
Gene Full Name	Interleukin 10
Background	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent

by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, May 2020]

Function	Major immune regulatory cytokine that acts on many cells of the immune system where it has profound anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Mechanistically, IL10 binds to its heterotetrameric receptor comprising IL10RA and IL10RB leading to JAK1 and STAT2-mediated phosphorylation of STAT3. [UniProt]
Highlight	Related products: IL10 antibodies ; IL10 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83026 Porcine IL10 ELISA Kit standard curve image

ARG83026 Porcine IL10 ELISA Kit results of standard run with optical density reading at 450 nm