

ARG81655 Mouse IL11 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81655-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81655-002	Standard	2 X 10 ng/vial	4°C
ARG81655-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81655-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81655-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81655-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81655-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81655-008	25X Wash buffer	20 ml	4°C
ARG81655-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81655-010	STOP solution	10 ml (Ready to use)	4°C
ARG81655-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81655 Mouse IL11 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL11 in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL11
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7%; Inter-Assay CV: 7.2%
Alternate Names	Oprelvekin; Interleukin-11; AGIF; Adipogenesis inhibitory factor; IL-11

Application Instructions

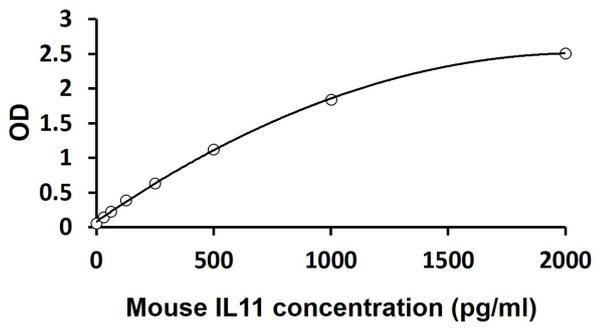
Assay Time ~ 5 hours

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	IL11
Gene Full Name	interleukin 11
Background	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2012]
Function	Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation. Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3. [UniProt]
Highlight	<p>Related products: IL11 antibodies; IL11 ELISA Kits;</p> <p>Related news: LKB1 deficiency in T cells promotes gut tumors</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>



ARG81655 Mouse IL11 ELISA Kit standard curve image

ARG81655 Mouse IL11 ELISA Kit results of a typical standard run with optical density reading at 450 nm.