

ARG80201 Mouse IL12 p70 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80201-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80201-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80201-003	Standard diluent buffer	20 ml	4°C
ARG80201-004	Antibody conjugate concentrate	400 µl	4°C
ARG80201-005	Antibody diluent buffer	16 ml	4°C
ARG80201-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80201-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80201-008	20X Wash buffer	50 ml	4°C
ARG80201-009	TMB substrate	12ml	4°C (Protect from light)
ARG80201-010	STOP solution	12ml	4°C
ARG80201-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80201 Mouse IL12 p70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL12 p70 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Mouse IL-12 p35, IL-12/IL-23 p40 monomer, IL-12/IL-23 p40 dimer, IL-23@human IL-12 p70, IL-12 p35, IL-12/IL-23 p40 monomer@canine IL-12 p70@feline IL-12 p70
Target Name	IL12 p70
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	IL12A; Interleukin 12A; IL-12A; NKSF1; CLMF; NFSK; P35; Interleukin 12A (Natural Killer Cell Stimulatory Factor 1, Cytotoxic Lymphocyte Maturation Factor 1, P35); Cytotoxic Lymphocyte Maturation Factor 35 KDa Subunit; Cytotoxic Lymphocyte Maturation Factor 1, P35; NF Cell Stimulatory Factor Chain 1; NK Cell Stimulatory Factor Chain 1; Interleukin-12 Subunit Alpha; Interleukin-12 Alpha Chain; Interleukin 12, P35; IL-12, Subunit P35; IL35 Subunit; CLMF P35; Natural Killer Cell Stimulatory Factor 1, 35 KD Subunit; IL-12 Subunit P35

Application Instructions

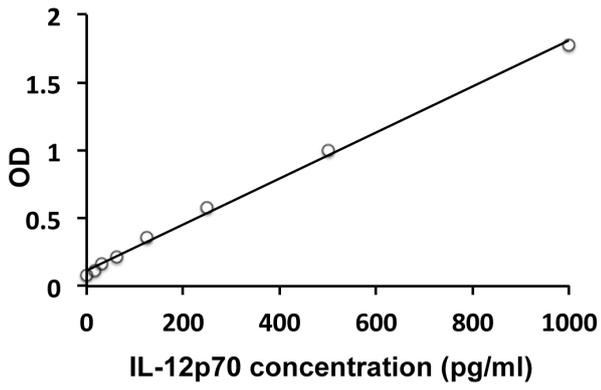
Assay Time	4 hours
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Properties

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: 16159 Mouse Swiss-port # P43431 Mouse
Gene Symbol	Il12a
Gene Full Name	interleukin 12a
Background	Interleukin-12 is a disulfide-linked heterodimeric protein (p70), composed of two subunits, p35 and p40, which are encoded by two different genes. Accumulating data indicate that p40 secretion precedes that of IL-12 expression. In addition, to its ability to covalently bind to p35 to form IL-12, p40 can bind to p19 to form IL-23. Additionally, p40 can associate itself through disulfide linkage to form a dimer that acts as a potent IL12 antagonist. Recombinant murine IL-12 p40 is a 40.0 kDa protein containing 313 amino acid residues.
Highlight	<p>Related products:</p> <p>IL12 p70 ELISA Kits:</p> <p>New ELISA data calculation tool:</p> <p>Simplify the ELISA analysis by GainData</p>
Research Area	Immune System kit



ARG80201 Mouse IL12 p70 ELISA Kit standard curve image

ARG80201 Mouse IL12 p70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.