

ARG82350 Mouse FCGRT ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82350-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82350-002	Standard	2 X 10 ng/vial	4°C
ARG82350-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82350-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82350-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82350-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82350-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82350-008	25X Wash buffer	20 ml	4°C
ARG82350-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82350-010	STOP solution	10 ml (Ready to use)	4°C
ARG82350-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82350 Mouse FCGRT ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse FCGRT in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	FCGRT
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.85 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.7%

Alternate Names FCRN; IgG receptor FcRn large subunit p51; alpha-chain; Neonatal Fc receptor; FcRn; IgG Fc fragment receptor transporter alpha chain

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 FCGRT

Gene Full Name Fc fragment of IgG, receptor, transporter, alpha

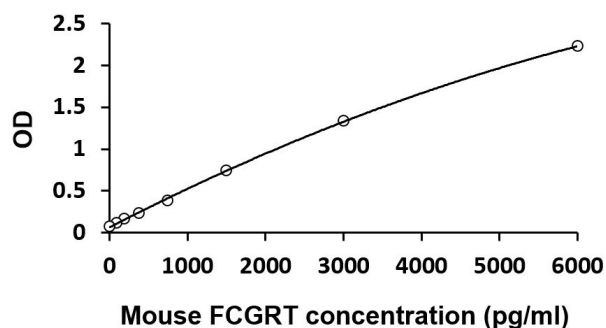
Background This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Function Binds to the Fc region of monomeric immunoglobulins gamma. Mediates the uptake of IgG from milk. Possible role in transfer of immunoglobulin G from mother to fetus. [UniProt]

Highlight Related products:
[FCGRT antibodies](#); [FCGRT ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG82350 Mouse FCGRT ELISA Kit standard curve image

ARG82350 Mouse FCGRT ELISA Kit results of a typical standard run with optical density reading at 450 nm.