

Mouse FCRN/FCGRT ELISA Kit | FCGRT elisa kit

Mouse FCRN/FCGRT PicoKine ELISA Kit

CATALOG #
AAA46662

REACTIVITY
Mouse

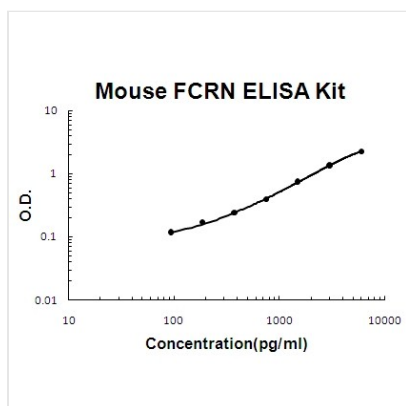
PRODUCT SYNONYMS

FCRN/FCGRT; Mouse FCRN/FCGRT PicoKine ELISA Kit; FCGRT; FcRn alpha chain; FcRn; IgG Gc receptor; Neonatal Fc receptor; Q61559; IgG receptor FcRn large subunit p51; Fc fragment of IgG receptor and transporter; FCGRT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse FCRN/FCGRT
Sequence Length	365
Samples	Cell culture supernates, serum, plasma(heparin, EDTA) and cell lysates.
Assay Type	Sandwich
Detection Range	93.7pg/ml-6000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Mouse FCRN/FCGRT PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FCGRT elisa kit	Principle of the Assay: Mouse FCRN/FCGRT ELISA Kit was based on standard sandwich enzyme-linked immunesorbent assay technology. A monoclonal antibody from mouse specific for FCRN/FCGRT has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: S22-S297) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for FCRN/FCGRT is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse FCRN/FCGRT amount of sample captured in plate. Background/Introduction: The neonatal Fc receptor (FcRn), also known as the Brambell receptor, is a protein that in humans is encoded by the FCGRT gene. The neonatal Fc receptor is an Fc receptor which is similar in structure to the MHC class I molecule and also associates with beta-2-microglobulin. It was first discovered in rodents as a unique receptor capable of transporting IgG from mother's milk across the epithelium of newborn rodent's gut into the newborn's bloodstream. Further studies revealed a similar receptor in humans, leading to the naming as a neonatal Fc receptor. In humans, however, it is found in the placenta to help facilitate transport of mother's IgG to the growing fetus and it has also been shown to play a role in monitoring IgG turnover. Neonatal Fc receptor expression is up-regulated by the proinflammatory cytokine,TNF-alpha, and down-regulated by IFN-gamma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170172528
NCBI GeneID	14132
NCBI Accession #	NP_034319.2
NCBI GenBank Nucleotide #	NM_010189.3
UniProt Accession #	Q61559; Q9QUR0; Q9R2A5
Molecular Weight	40,093 Da
NCBI Official Full Name	IgG receptor FcRn large subunit p51
NCBI Official Synonym Full Names	Fc receptor, IgG, alpha chain transporter
NCBI Official Symbol	Fcgrt
NCBI Official Synonym Symbols	FcRn
NCBI Protein Information	IgG receptor FcRn large subunit p51
UniProt Protein Name	IgG receptor FcRn large subunit p51
UniProt Gene Name	Fcgrt
UniProt Synonym Gene Names	Fcrn; FcRn
UniProt Entry Name	FCGRN_MOUSE

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://stage.aaabiotech.com/mouse-elisa-kits/fcrn-fcgrt/46662>