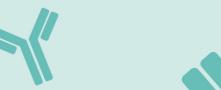
# antibodies -online.com







# FcRn ELISA Kit



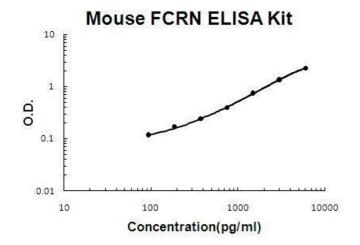


### Overview

Quantity:	96 tests
Target:	FcRn
Binding Specificity:	AA 22-297
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse FCRN/FCGRT
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: S22-S297
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Intestinal epithelium of suckling rodents. Expressed in neonatal intestine and fetal yolk sac.
Target Details	
Target:	FcRn

# **Target Details**

rarget Details	
Alternative Name:	Fcgrt (FcRn Products)
Background:	Protein Function: Binds to the Fc region of monomeric immunoglobulins gamma. Mediates the
	selective uptake of IgG from milk and helps newborn animals to acquire passive immunity. IgG
	in the milk is bound at the apical surface of the intestinal epithelium. The resultant FcRn-IgG
	complexes are transcytosed across the intestinal epithelium and IgG is released from FcRn into
	blood or tissue fluids.
	Background: 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-i±, and down-regulated by IFN-i³.
	Synonyms: IgG receptor FcRn large subunit p51,FcRn,IgG Fc fragment receptor transporter
	alpha chain,Neonatal Fc receptor,Fcgrt,Fcrn,
	Full Gene Name: IgG receptor FcRn large subunit p51
	Cellular Localisation: Cell membrane, Single-pass type I membrane protein.
UniProt:	Q61559
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process
Application Details	
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



### **ELISA**

**Image 1.** Mouse FCRN/FCGRT PicoKine ELISA Kit standard curve