

Human Fc Fragment Of IgG Receptor Transporter Alpha (FcγRT) ELISA Kit | FcγRT elisa kit

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CATALOG # AAA67465	REACTIVITY Human
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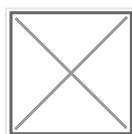
PRODUCT SYNONYMS

Fc Fragment Of IgG Receptor Transporter Alpha (FcγRT); Human Fc Fragment Of IgG Receptor Transporter Alpha (FcγRT) ELISA Kit; FCRN; Neonatal Fc receptor; IgG receptor FcRn large subunit p51; FcγRT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FcγRT. No significant cross-reactivity or interference between FcγRT and analogues was observed.
Sequence Length	365
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FcγRT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FcγRT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FcgRT elisa kit	<p>Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FcgRT in human tissue homogenates, cell lysates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FcgRT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FcgRT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain FcgRT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of FcgRT in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862839
NCBI GeneID	2217
NCBI Accession #	NP_001129491.1
NCBI GenBank Nucleotide #	NM_001136019.2
UniProt Accession #	P55899; Q5HYM5; Q9HBV7; Q9NZ19
Molecular Weight	39,743 Da
NCBI Official Full Name	IgG receptor FcRn large subunit p51
NCBI Official Synonym Full Names	Fc fragment of IgG receptor and transporter
NCBI Official Symbol	FCGRT
NCBI Official Synonym Symbols	FCRN; alpha-chain
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

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.