

Human Fc fragment of IgG, high affinity Ia, receptor (CD64) ELISA Kit | FCGR1A elisa kit

Human High affinity immunoglobulin gamma Fc receptor I, FCGR1A ELISA Kit

CATALOG #
AAA112493

REACTIVITY
Human

PRODUCT SYNONYMS

Fc fragment of IgG; high affinity Ia; receptor (CD64); Human High affinity immunoglobulin gamma Fc receptor I; FCGR1A ELISA Kit; Human High affinity immunoglobulin gamma Fc receptor I (FCGR1A) ELISA kit; CD64; CD64A; FCRI; FLJ18345; IGFR1; receptor for (CD64) ; Fc gamma receptor; Fc-gamma RI; Fc-gamma receptor I A1; IgG Fc receptor I; FCGR1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human FCGR1A. No significant cross-reactivity or interference between human FCGR1A and analogues was observed.
Sequence Length	374
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	< 0.2 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCGR1A elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FCGR1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FCGR1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FCGR1A is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FCGR1A bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835133
NCBI GeneID	2209
NCBI Accession #	NP_000557.1
NCBI GenBank Nucleotide #	NM_000566.3
UniProt Accession #	P12314; P12315; Q5QNW7; Q92495; Q92663
Molecular Weight	42,632 Da
NCBI Official Full Name	high affinity immunoglobulin gamma Fc receptor I
NCBI Official Synonym Full Names	Fc fragment of IgG, high affinity Ia, receptor (CD64)
NCBI Official Symbol	FCGR1A
NCBI Official Synonym Symbols	CD64; FCRI; CD64A; IGFR1
NCBI Protein Information	high affinity immunoglobulin gamma Fc receptor I; fcgammaRIa; Fc-gamma RI; fc-gamma RIA; Fc gamma receptor; IgG Fc receptor I; Fc-gamma receptor I A1; Fc fragment of IgG, high affinity Ia, receptor for (CD64)
UniProt Protein Name	High affinity immunoglobulin gamma Fc receptor I
UniProt Gene Name	FCGR1A
UniProt Synonym Gene Names	FCG1; FCGR1; IGFR1; IgG Fc receptor I; FcRI; FcgammaRIa
UniProt Entry Name	FCGR1_HUMAN

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/fcgr1a-human-elisa-kits/fc-fragment-of-igg-high-affinity-ia-receptor-cd64/112493>