

Human Low affinity immunoglobulin gamma Fc region receptor II a (FCGR2A) ELISA Kit | FCGR2A elisa kit

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CATALOG #
AAA246184

REACTIVITY
Human

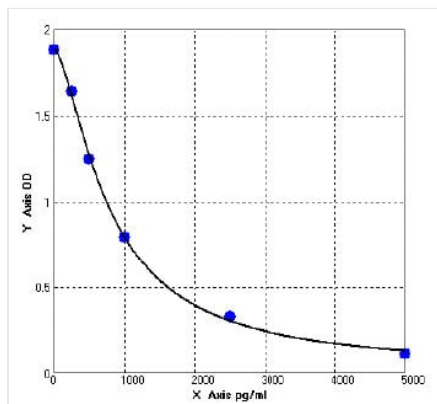
PRODUCT SYNONYMS

Low affinity immunoglobulin gamma Fc region receptor II a (FCGR2A); Human Low affinity immunoglobulin gamma Fc region receptor II a (FCGR2A) ELISA Kit; FCGR2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FCGR2A. No significant cross-reactivity or interference between FCGR2A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FCGR2A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCGR2A elisa kit	Intended Uses: This FCGR2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FCGR2A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FCGR2A ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FCGR2A antibody and an FCGR2A-HRP conjugate. The assay sample and buffer are incubated together with FCGR2A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FCGR2A concentration since FCGR2A from samples and FCGR2A-HRP conjugate compete for the anti-FCGR2A antibody binding site. Since the number of sites is limited, as more sites are occupied by FCGR2A from the sample, fewer sites are left to bind FCGR2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FCGR2A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FCGR2A elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	50511936
NCBI GeneID	2212
NCBI Accession #	NP_067674.2
NCBI GenBank Nucleotide #	NM_021642.3
Molecular Weight	34,930 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-a isoform 2
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIa, receptor (CD32)
NCBI Official Symbol	FCGR2A
NCBI Official Synonym Symbols	CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-a; fcRII-a; fc-gamma-RIIa; fc-gamma RII-a; igG Fc receptor II-a; Immunoglobulin G Fc receptor II
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Gene Name	FCGR2A
UniProt Synonym Gene Names	CD32; FCG2; FCGR2A1; IGFR2; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a
UniProt Entry Name	FCG2A_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.