Human Low affinity immunoglobulin gamma Fc region receptor III B (FCGR3B) ELISA Kit | FCGR3B elisa kit

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CATALOG #	REACTIVITY
AAA244416	**Human**

PRODUCT SYNONYMS

Low affinity immunoglobulin gamma Fc region receptor III B (FCGR3B); Human Low affinity immunoglobulin gamma Fc region receptor III B (FCGR3B) ELISA Kit; FCGR3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FCGR3B. No significant cross-reactivity or interference between FCGR3B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FCGR3B 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCGR3B elisa kit	Intended Uses: This FCGR3B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FCGR3B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FCGR3B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FCGR3B antibody and an FCGR3B-HRP conjugate. The assay sample and buffer are incubated together with FCGR3B-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 FCGR3B concentration since FCGR3B from samples and FCGR3B-HRP conjugate compete for the anti-FCGR3B antibody binding site. Since the number of sites is limited, as more sites are occupied by FCGR3B from the sample, fewer sites are left to bind FCGR3B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FCGR3B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FCGR3B elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	132814489
NCBI GeneID	2215
NCBI Accession #	NP_000561.3
NCBI GenBank Nucleotide #	NM_000570.4
Molecular Weight	26,216 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor III-B isoform 2
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)
NCBI Official Symbol	FCGR3B
NCBI Official Synonym Symbols	CD16; FCG3; CD16b; FCGR3; FCR-10; FCRIII; FCRIIIb
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-B; fc-gamma RIIIb; fc-gamma RIII-beta; igG Fc receptor III-1; Fc-gamma receptor IIIb (CD 16)
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-B
UniProt Gene Name	**FCGR3B**
UniProt Synonym Gene Names	CD16B; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb
UniProt Entry Name	FCG3B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/low-affinity-immunoglobulin-gamma-fc-region-receptor-iii-b-fcgr3b/244416