

Human Fc fragment of IgG, low affinity IIIb, receptor (CD16b) ELISA Kit | FCGR3B elisa kit

Human Low affinity immunoglobulin gamma Fc region receptor III-B, FCGR3B ELISA Kit

CATALOG #
AAA18300

REACTIVITY
Human

PRODUCT SYNONYMS

Fc fragment of IgG; low affinity IIIb; receptor (CD16b); Human Low affinity immunoglobulin gamma Fc region receptor III-B; FCGR3B ELISA Kit; Human Low affinity immunoglobulin gamma Fc region receptor III-B (FCGR3B) ELISA kit; CD16; CD16b; FCG3; FCGR3; receptor for (CD16) ; Fc-gamma receptor IIIb (CD 16) ; low affinity immunoglobulin gamma Fc region receptor III-B; FCGR3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human FCGR3B. No significant cross-reactivity or interference between human FCGR3B and analogues was observed.
Sequence Length	233
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 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 FCGR3B elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FCGR3B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FCGR3B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FCGR3B 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 FCGR3B bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	132814489
NCBI GeneID	2215
NCBI Accession #	NP_000561.3
NCBI GenBank Nucleotide #	NM_000570.4
UniProt Accession #	O75015
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.

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Online datasheet: <https://stage.aaabiotech.com/fcgr3b-human-elisa-kits/fc-fragment-of-igg-low-affinity-iiib-receptor-cd16b/18300>