

# Human Low affinity immunoglobulin gamma Fc region receptor II b (FCGR2B) ELISA Kit | FCGR2B elisa kit

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CATALOG #  
**AAA245048**

REACTIVITY  
**Human**

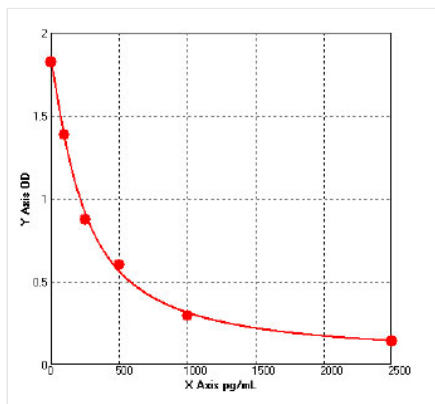
## PRODUCT SYNONYMS

Low affinity immunoglobulin gamma Fc region receptor II b (FCGR2B); Human Low affinity immunoglobulin gamma Fc region receptor II b (FCGR2B) ELISA Kit; FCGR2B elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of FCGR2B. No significant cross-reactivity or interference between FCGR2B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FCGR2B 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 FCGR2B elisa kit | <p>Intended Uses: This FCGR2B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FCGR2B. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: FCGR2B ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FCGR2B antibody and an FCGR2B-HRP conjugate. The assay sample and buffer are incubated together with FCGR2B-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 FCGR2B concentration since FCGR2B from samples and FCGR2B-HRP conjugate compete for the anti-FCGR2B antibody binding site. Since the number of sites is limited, as more sites are occupied by FCGR2B from the sample, fewer sites are left to bind FCGR2B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FCGR2B concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for FCGR2B elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 50511932                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 2213                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001002273.1                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001002273.2                                                                                                                                                                                                                                                     |
| Molecular Weight                 | 33,450 Da                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | low affinity immunoglobulin gamma Fc region receptor II-b isoform 2                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | Fc fragment of IgG, low affinity IIb, receptor (CD32)                                                                                                                                                                                                              |
| NCBI Official Symbol             | FCGR2B                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | CD32; FCG2; CD32B; FCGR2; IGFR2                                                                                                                                                                                                                                    |
| NCBI Protein Information         | low affinity immunoglobulin gamma Fc region receptor II-b; CDw32; fcRII-b; Fc gamma RIIB; fc-gamma-RIIB; fc-gamma RII-b; IgG Fc receptor II-b; Fc fragment of IgG, low affinity II, receptor for (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32) |
| UniProt Protein Name             | Low affinity immunoglobulin gamma Fc region receptor II-b                                                                                                                                                                                                          |
| UniProt Gene Name                | FCGR2B                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | CD32; FCG2; IGFR2; IgG Fc receptor II-b; Fc-gamma-RIIB; FcRII-b                                                                                                                                                                                                    |
| UniProt Entry Name               | FCG2B_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/human-elisa-kits/low-affinity-immunoglobulin-gamma-fc-region-receptor-ii-b-fcgr2b/245048>