

Mouse Fc Gamma RII/RIII (CD32/CD16)(Fcgr2b/Fcgr3) ELISA Kit | FCGR2B/FCGR3 elisa kit

Mouse Fc Gamma RII/RIII (CD32/CD16)(Fcgr2b/Fcgr3) PicoKine Quick ELISA Kit

CATALOG # AAA126834	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Fc Gamma RII/RIII (CD32/CD16)(Fcgr2b/Fcgr3); Mouse Fc Gamma RII/RIII (CD32/CD16)(Fcgr2b/Fcgr3) PicoKine Quick ELISA Kit; FCGR2B/FCGR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Fcgr2b/Fcgr3
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for FCGR2B/FCGR3 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Mouse Fcgr2b/Fcgr3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FCGR2B/FCGR3 elisa kit	Background: CD32 is a surface receptor protein and part of a large population of B cell co-receptors, which act to modulate signaling. It has a low-affinity for IgG antibodies and down-regulates antibody production in the presence of IgG. This feedback loops essentially lowers the production of IgG produced by B cells when there is a surplus in the body. Principle of the Assay: The Quick Picokine™ Mouse Fcgr2b/Fcgr3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Fcgr2b/Fcgr3 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Fcgr2b/Fcgr3 protein as standards. To measure Mouse Fcgr2b/Fcgr3, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Fcgr2b/Fcgr3 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Fcgr2b/Fcgr3 in the sample.
Product Categories/Family for FCGR2B/FCGR3 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	2506779
NCBI GeneID	14130
UniProt Accession #	P08101; P08508
Molecular Weight	– Da
NCBI Official Full Name	Low affinity immunoglobulin gamma Fc region receptor II
NCBI Official Synonym Full Names	Fc receptor, IgG, low affinity IIb
NCBI Official Symbol	Fcgr2b
NCBI Official Synonym Symbols	CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; fcRII; FcgRII; Fcgr2a; Ly-m20; A1528646; Fc[g]RII; F630109E10Rik
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-b; FcgammaRIIB; Fc-gamma-RII; fc-gamma RII; Fc gamma RIIB; fc-gamma-RIIB; fc gamma receptor IIB; lymphocyte antigen 17; igG Fc receptor II beta
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II
UniProt Gene Name	Fcgr2
UniProt Synonym Gene Names	Fcgr2b; Ly-17; Fc-gamma RII; Fc-gamma-RIIB; FcRII; Ly-17
UniProt Entry Name	FCGR2_MOUSE

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/mouse-elisa-kits/fc-gamma-rii-riii-cd32-cd16-fcgr2b-fcgr3/126834>