

## Mouse CD32,FCGR2b,c ELISA Kit

Catalog No: #EK5597

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## Description

Product Name	Mouse CD32,FCGR2b,c ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,T40-R217
Other Names	Low affinity immunoglobulin gamma Fc region receptor II; Fc gamma receptor IIB; Fc-gamma RII; Fc-gamma-RIIB; FcRII; IgG Fc receptor II beta; Lymphocyte antigen 17; Ly-17; CD32; Fcgr2; Fcgr2b, Ly-17;
Accession No.	P08101
Uniprot	P08101
GeneID	14130;
Cell Localization	Cell membrane; Single-pass type I membraneprotein.

## Application Details

sensitivity:10pg mlDetect Range:31.2pg ml-2000pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from ratdetection\_antibody:polyclonal antibody from goat  
gene\_name:FCGR2Bprotein\_name:Low affinity immunoglobulin gamma Fc region receptor II-b  
gene\_full\_name:Low affinity immunoglobulin gamma Fc region receptor II  
tissue\_specificity: Widely expressed by cells of hemopoietic origin. The isoforms are differentially expressed. Isoform IIB1 is preferentially expressed by cells of the lymphoid lineage isoform IIB2 by cells of the myeloid lineage and isoform IIB3 is released by macrophages and is present in the serum. Isoform IIB1 is expressed in myeloid and lymphoid cell lines in normal spleen cells and in resting or LPS-activated B-cells but is not detected in mesenteric lymph node cells.  
sequence\_similarities: Contains 2 Ig-like C2-type (immunoglobulin-like) domains. tmb\_incubation:20-25min  
research\_category:immunology|immunoglobulins|receptors|stem cells|hematopoietic progenitors|lymphoid|b lymphocytic lineage|t lymphocytic lineage|myeloid|monocytic lineage|mast cell lineage

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CD32,FCGR2b,c

## Background

protein\_function: Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of antigen-antibody complexes from the circulation and modulation of antibody production by B-cells. Isoform IIB1 and isoform IIB1" form caps but fail to mediate endocytosis or phagocytosis. Isoform IIB2 can mediate the endocytosis of soluble immune complexes via clathrin-coated pits. Isoform IIB1 and isoform IIB2 can down-regulate B-cell, T-cell, and mast cell activation when coaggregated to B-cell receptors for AG (BCR), T-cell receptors for AG (TCR), and Fc receptors, respectively. 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 loop essentially lowers the production of IgG produced by B cells when there is a surplus in the body.

Note: This product is for in vitro research use only