

Recombinant Mouse FCGR2 cell lysate

Cat. No. FCGR2-2959MCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CD32 / FCGR2B derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Mouse
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
GENE INFORMATION	
Gene Name	cgr2b Fc receptor, IgG, low affinity IIb [<i>Mus musculus</i>]
Official Symbol	cgr2b
Synonyms	CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; fcRII; FcgRII; Fcgr2a; Ly-m20; AI528646; Fc[g]RII; F630109E10Rik; 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; low affinity immunoglobulin gamma Fc region receptor II
Gene ID	14130
mRNA Refseq	NM_001077189
Protein Refseq	NP_001070657
Chromosome Location	1 H3; 1 78.02 cM

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Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Osteoclast differentiation, conserved biosystem
Function	IgG binding; protein binding; receptor signaling protein activity

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