

Recombinant Human KIR2DL4 cell lysate

Cat. No. KIR2DL4-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KIR2DL4 / CD158D derived in CHO cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	CHO
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

KIR2DL4 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4 [Homo sapiens]

Official Symbol

KIR2DL4

Synonyms

KIR2DL4; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4; killer cell immunoglobulin-like receptor 2DL4; 15.212; 103AS; CD158D; KIR-103AS; NK cell receptor; killer Ig receptor; CD158 antigen-like family member D; MHC class I NK cell receptor KIR103AS; killer cell inhibitory receptor 103AS; natural killer cell inhibitory receptor; G9P; KIR103; KIR103AS;

Gene ID

3805

mRNA Refseq

NM_001080770

Protein Refseq

NP_001074239

MIM

604945

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UniProt ID	Q99706
Chromosome Location	19q13.4
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;
Function	protein binding; receptor activity; transmembrane signaling receptor activity;

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