

Recombinant Human EPOR & CD131 cell lysate

Cat. No. EPOR & CD131-1943HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPOR & CD131 Homodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
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

EPOR erythropoietin receptor [Homo sapiens]; CSF2RB colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) [Homo sapiens]

Official Symbol

EPOR; CD131

Synonyms

EPO-R; erythropoietin receptor; CD131; IL3RB; IL5RB; SMDP5; CDw131; cytokine receptor common subunit beta; GM-CSF/IL-3/IL-5 receptor common beta-chain; GM-CSF/IL-3/IL-5 receptor common beta subunit; colony-stimulating factor-2 receptor, beta, low-affinity; interleukin 3 receptor/granulocyte-macrophage colony stimulating factor 3 receptor, beta (high affinity)

Gene ID

2057; 1439

mRNA Refseq

NM_000121; NM_000395

Protein Refseq

NP_000112; NP_000386

MIM

133171

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UniProt ID	P19235; P32927
Chromosome Location	19p13.3-p13.2; 22q13.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem. Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL-5 Signaling Pathway, organism-specific biosystem
Function	erythropoietin receptor activity; identical protein binding; protein binding; contributes_to interleukin-3 receptor activity; receptor activity

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