

Recombinant Human PECAM1 cell lysate, Fc-tagged

Cat. No. PECAM1-3050HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|--------------------------------|---|
| Product Overview | Human Cells transfected lysate in which Human CD31 / PECAM1 has been over-expressed. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls |
| Species | Human |
| Source | Human Cells |
| Preparation method | Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined with Bradford assay (Bio-Rad protein assay, Microplate Standard assay). 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°. Recommend to aliquot the cell lysate into smaller quantities for optimal |

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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 reducing agent prior to heating.

Stability Samples are stable for up to twelve months from date of receipt at -80°C

Storage Buffer In modified RIPA Lysis Buffer

GENE INFORMATION

Gene Name [PECAM1 platelet/endothelial cell adhesion molecule 1 \[Homo sapiens \]](#)

Official Symbol PECAM1

Synonyms PECAM1; platelet/endothelial cell adhesion molecule 1; platelet/endothelial cell adhesion molecule; platelet endothelial cell adhesion molecule; CD31; CD31 antigen; PECA1; GPIIA; PECAM-1; endoCAM; CD31/EndoCAM; FLJ34100; FLJ58394;

Gene ID [5175](#)

mRNA Refseq [NM_000442](#)

Protein Refseq [NP_000433](#)

MIM [173445](#)

UniProt ID P16284

Chromosome Location 17q23.3

Pathway Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion

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molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem;

Function

protein binding;

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