

PE-Labeled Human CD133 Protein, His Tag

Catalog # CD3-HP2H8



BIOSYSTEMS
Acro

Synonym

CD133, PROM1, PROML1, Prominin-1, AC133

Source

PE-Labeled Human CD133 Protein, His Tag (CD3-HP2H8) is expressed from human 293 cells (HEK293). It contains AA Gly 20 - His 865 (Accession # [O43490-1](#)).

Predicted N-terminus: Gly 20

Molecular Characterization

CD133(Gly 20 - His 865)
O43490-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 97.2 kDa.

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Formulation

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please protect from light and avoid repeated freeze-thaw cycles.

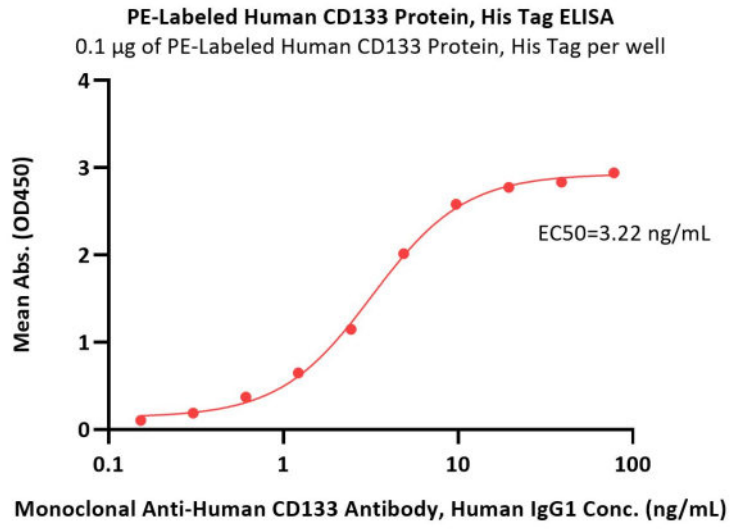
This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA



Immobilized PE-Labeled Human CD133 Protein, His Tag (Cat. No. CD3-HP2H8) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CD133 Antibody, Human IgG1 with a linear range of 0.2-5 ng/mL (QC tested).

Background

Prominin-1 is also known as CD133, Antigen AC133, PROM1, PROML1 and MSTP061. Is used as marker for hematopoietic stem and progenitor cells (HSPC) for somatic stem cell isolation. May play a role in cell differentiation, proliferation and apoptosis. Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner.

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