PE-Labeled Human CD34 Protein, His Tag

Catalog # CD4-HP2H9

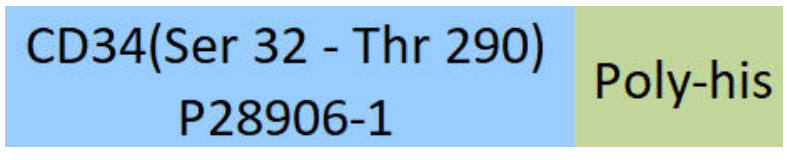
Synonym

CD34, RP11-328D5.2

Source

PE-Labeled Human CD34 Protein, His Tag (CD4-HP2H9) is expressed from human 293 cells (HEK293). It contains AA Ser 32 - Thr 290 (Accession # P28906-1).
Predicted N-terminus: Ser 32

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 29.4 kDa.

Conjugate

PE
Excitation Wavelength: 488 nm / 561 nm
Emission Wavelength: 575 nm

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

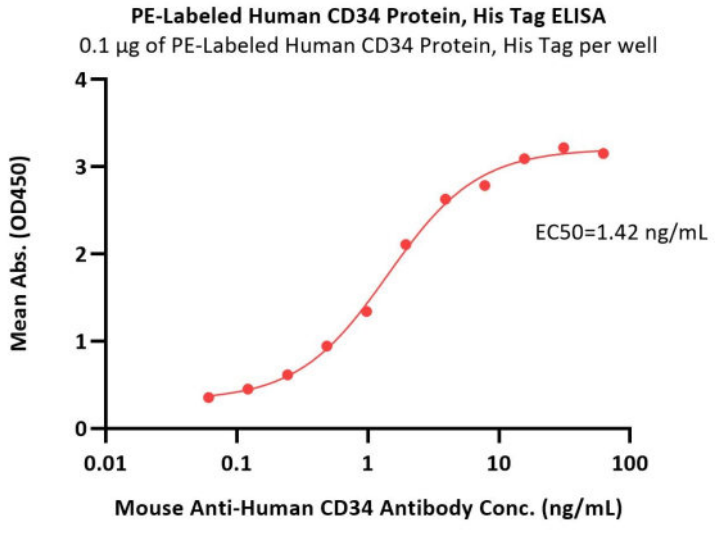
For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please protect from light and avoid repeated freeze-thaw cycles.
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

Bioactivity-ELISA



Immobilized PE-Labeled Human CD34 Protein, His Tag (Cat. No. CD4-HP2H9) at 1 μg/mL (100 μL/well) can bind Mouse Anti-Human CD34 Antibody with a linear range of 0.06-2 ng/mL (QC tested).

Background

The CD34 protein is a member of a family of single-pass transmembrane sialomucin proteins that show expression on early hematopoietic and vascular-associated tissue. CD34 is also an important adhesion molecule and is required for T cells to enter lymph nodes. It is expressed on lymph node endothelia whereas the L-selectin to which it binds is on the T cell. It was indicated that CD34 is a phosphorylation target for activated PKC, and couples to the hematopoietic adapter protein CrkL, which were involved in CD34 signaling pathways. CD34 is abberantly expressed in many kinds of tumors and is implicated in leukemogenesis.