

Human CD164 Protein, His Tag (HPLC verified)

Catalog # CD4-H52H6



Synonyms

CD164, MUC-24, Endolyn, MGC-24

Source

Human CD164 Protein, His Tag (CD4-H52H6) is expressed from human 293 cells (HEK293). It contains AA Asp 24 - Asp 162 (Accession # [Q04900-1](#)).

Predicted N-terminus: Asp 24

Molecular Characterization

CD164(Asp 24 - Asp 162)
Q04900-1

Poly-his

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

The protein has a calculated MW of 16.5 kDa. The protein migrates as 90-110 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-HPLC.

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.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

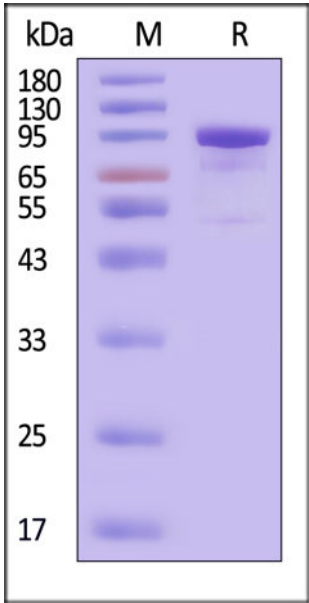
This product is stable after storage at:

- -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

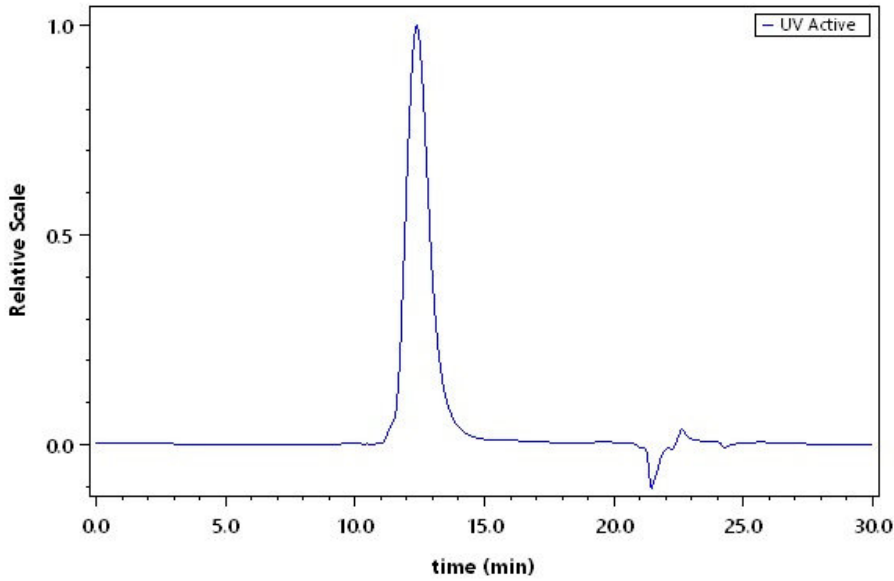
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



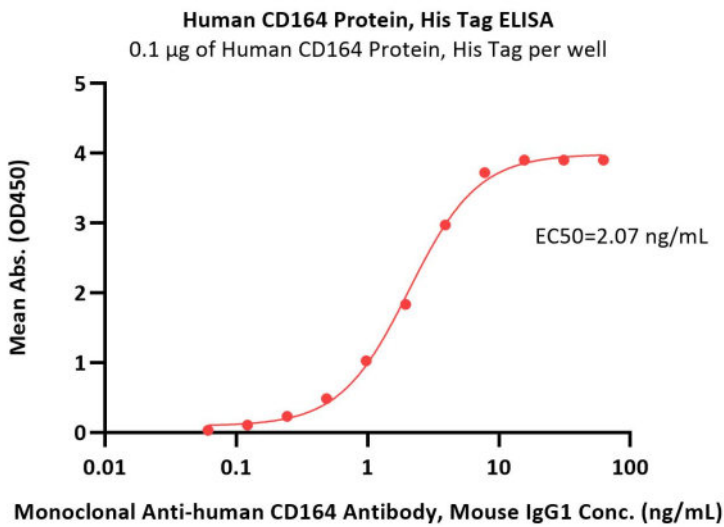
Human CD164 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-HPLC



The purity of Human CD164 Protein, His Tag (Cat. No. CD4-H52H6) was greater than 95% as determined by SEC-HPLC.

Bioactivity-ELISA



Immobilized Human CD164 Protein, His Tag (Cat. No. CD4-H52H6) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-human CD164 Antibody, Mouse IgG1 with a linear range of 0.06-8 ng/mL (QC tested).

Background

This gene encodes a transmembrane sialomucin and cell adhesion molecule that regulates the proliferation, adhesion and migration of hematopoietic progenitor cells. The encoded protein also interacts with the C-X-C chemokine receptor type 4 and may regulate muscle development. Elevated expression of this gene has been observed in human patients with Sezary syndrome, a type of blood cancer, and a mutation in this gene may be associated with impaired hearing. [provided by RefSeq, Oct 2016]



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