

Human CD164 Protein, Fc Tag, low endotoxin (MALS verified)

Catalog # CD4-H525a



Synonyms

CD164, MUC-24, Endolyn, MGC-24

Source

Human CD164 Protein, Fc Tag (CD4-H525a) 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	Fc(Pro 100 - Lys 330) P01857-1
-------------------------------------	-----------------------------------

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 41.0 kDa. The protein migrates as 80-100 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

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.

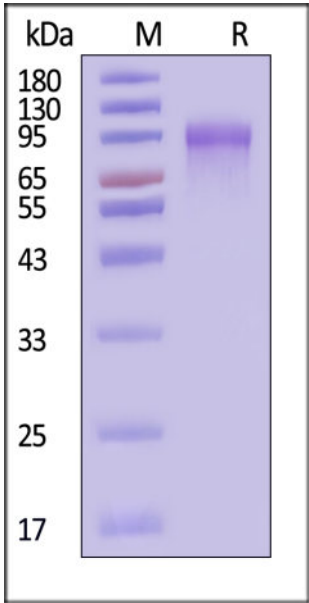
This product is stable after storage at:

- -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

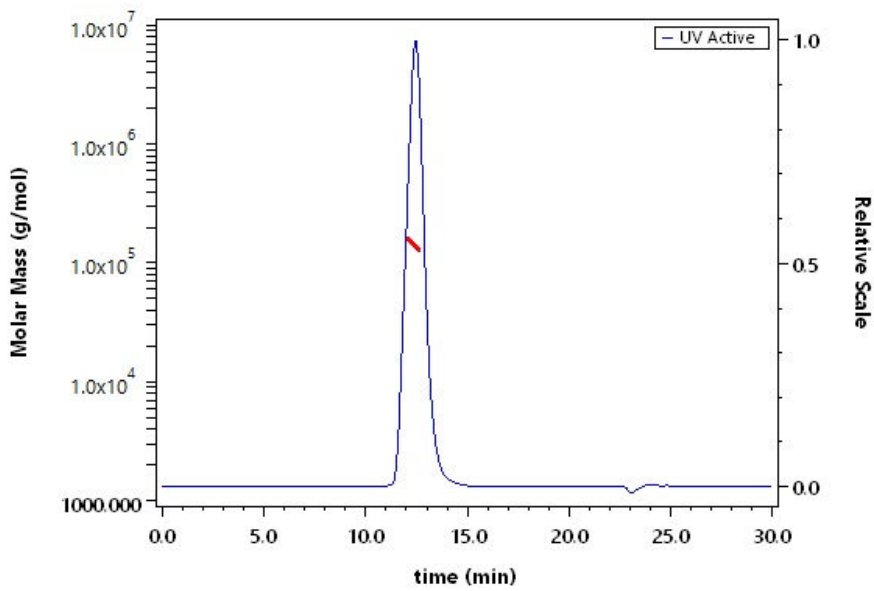
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



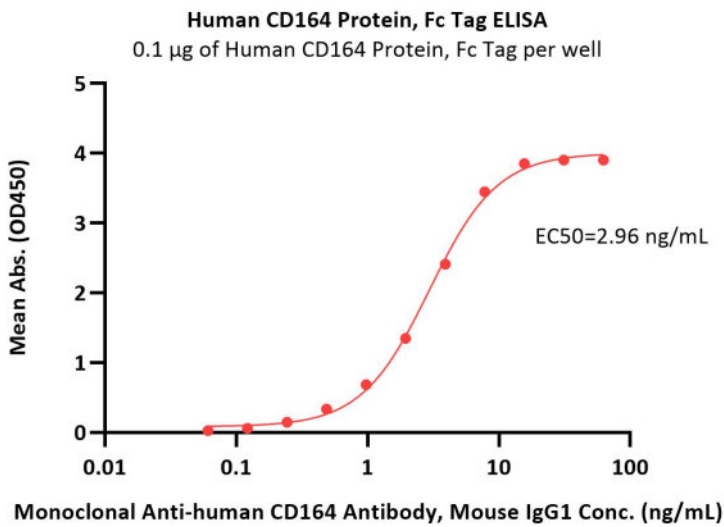
Human CD164 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human CD164 Protein, Fc Tag (Cat. No. CD4-H525a) is more than 95% and the molecular weight of this protein is around 120-150 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human CD164 Protein, Fc Tag (Cat. No. CD4-H525a) 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]



www.acrobiosystems.com