

For Research Use Only

Recombinant Mouse CD164 protein (rFc Tag)



Catalog Number: Eg2645

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse CD164 protein Gln24-Asp162 (Accession# Q9ROL9) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

53599

Accession:

Q9ROL9

Predicted Molecular Mass:

40.8 kDa

SDS-PAGE:

52-100 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Sialomucins are a heterogeneous group of secreted or membrane-associated mucins that appear to play 2 key but opposing roles in vivo: first as cytoprotective or antiadhesive agents, and second as adhesion receptors. CD164 is a type I integral transmembrane sialomucin that functions as an adhesion receptor. Sialomucin CD164 (MUC-24), also referred to multi-glycosylated core protein 24 (MGC24), is known to function as a receptor that regulates stem cell localization to the bone marrow. CD164 may play a key role in hematopoiesis by facilitating the adhesion of CD34+ cells to the stroma and by negatively regulating CD34+CD38(lo/-) cell proliferation. Important role of CD164 in prostate cancer metastasis, promoting myogenesis and regulating myoblast migration so far have been revealed.

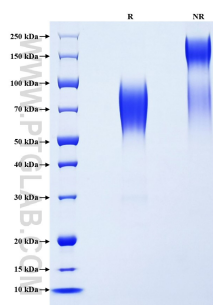
References

- 1.Watt SM, et al. (1998) Blood. 1;92(3):849-66.
- 2.Forde S, et al. (2007) Blood. 1;109(5):1825-33.
- 3.Zannettino AC, et al. (1998) Blood. 15;92(8):2613-28.
- 4.Havens AM, et al. (2006) BMC Cancer. 21;6:195.

Synonyms

CD164, Endolyn, MGC-24, MGC-24v, MUC-24

Selected Validation Data



Purity of Recombinant Mouse CD164 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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