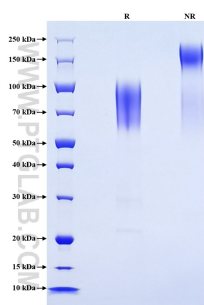


Recombinant Human CD164 protein (rFc Tag)

Catalog Number: Eg1690

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CD164 protein Asp24-Asp162 (Accession# Q04900-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 8763</p> <p>Accession: Q04900-1</p> <p>Predicted Molecular Mass: 40.8 kDa</p> <p>SDS-PAGE: 60-100 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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.</p>		
References	<ol style="list-style-type: none"> 1.Watt SM, et al. (1998) Blood. 92(3):849-66. 2.Forde S, et al. (2007) Blood. 109(5):1825-33. 3.Zannettino AC, et al. (1998) Blood. 92(8):2613-28. 4.Havens AM, et al. (2006) BMC Cancer. 6:195. 5.Forde S, et al. (2007) Blood. 109(5):1825-33. 		
Synonyms	MGC-24, MGC-24v, MUC-24, Multi-glycosylated core protein 24		

Selected Validation Data



Purity of Recombinant Human 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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