For Research Use Only Recombinant Human CD164 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg1690

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag				
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC						
	<mark>Endotoxin Level:</mark> <0.1 EU/μg protein, LAL method						
	Source: HEK293-derived Human CD164 protein Asp24-Asp162 (Accession# Q04900-1) with a rabbit IgG Fc tag at the C- terminus. GeneID: 8763 Accession: Q04900-1 Predicted Molecular Mass: 40.8 kDa SDS-PAGE: 60-100 kDa, reducing (R) conditions						
				Formulation: Lyophilized from 0.22 µm filt protectants before lyophilizat	ered solution in PBS, pH 7.4. Normally 5% t ion.	rehalose and 5% mannitol are added as	
				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 amb temperature.	ient temperature. Upon receipt, store it im	mediately at the recommended				
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.						
Background	Sialomucins are a heterogener key but opposing roles in vivo receptors. CD164 is a type I int Sialomucin CD164 (MUC-24), a function as a receptor that reg hematopoiesis by facilitating CD34+CD38(lo/-) cell prolifera myogenesis and regulating m	ous group of secreted or membrane-assoc first as cytoprotective or antiadhesive age tegral transmembrane sialomucin that fund lso referred to multi-glycosylated core pro gulates stem cell localization to the bone m the adhesion of CD34+ cells to the stroma ation. Important role of CD164 in in prostat yoblast migration so far have been reveale	iated mucins that appear to play 2 nts, and second as adhesion ctions as an adhesion receptor. tein 24 (MGC24), is known to arrow. CD164 may play a key role in and by negatively regulating e cancer metastasis, promoting d.				
References	1.Watt SM, et al. (1998) Blood. 9 2.Forde S, et al. (2007) Blood. 1 3.Zannettino AC, et al. (1998) B 4.Havens AM, et al. (2006) BMC 5.Forde S, et al. (2007) Blood. 1	92(3):849-66. 09(5):1825-33. Ilood. 92(8):2613-28. Cancer. 6:195. 09(5):1825-33.					
Synonyms	MGC-24, MGC-24v, MUC-24, Mu	ulti-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.

The purity of Human EGF CD164 greater than 90% as determined by SEC-HPLC.

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