


Human CD24 protein, hFc tag (Animal-Free)

Cat #: PRP2022

Size: 10 µg/50 µg/100 µg

Product Information

	Product Name: Human CD24 protein, hFc tag (Animal-Free)		
REF	Catalog Number: PRP2022	LOT	Lot Number: Refer to product label
	Purity: >95% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK 293 cells
	Shipping: The product is shipped at ambient temperature.		

Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 24, also known as signal transducer CD24 or heat stable antigen CD24 (HSA), is a mucin-type glycosylphosphatidylinositol-linked glycoprotein expressed on the surface of B-cells, differentiating neuroblasts and many tumors. May have a pivotal role in cell differentiation of different cell types. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Modulates B-cell activation responses. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells. In association with SIGLEC10 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90. Plays a role in the control of autoimmunity.

Sequence: Amino acid sequence derived from human CD24 (NP_037362.1) (Met 1-Gly 59) was expressed with the Fc region of human IgG1 at the C-terminus.

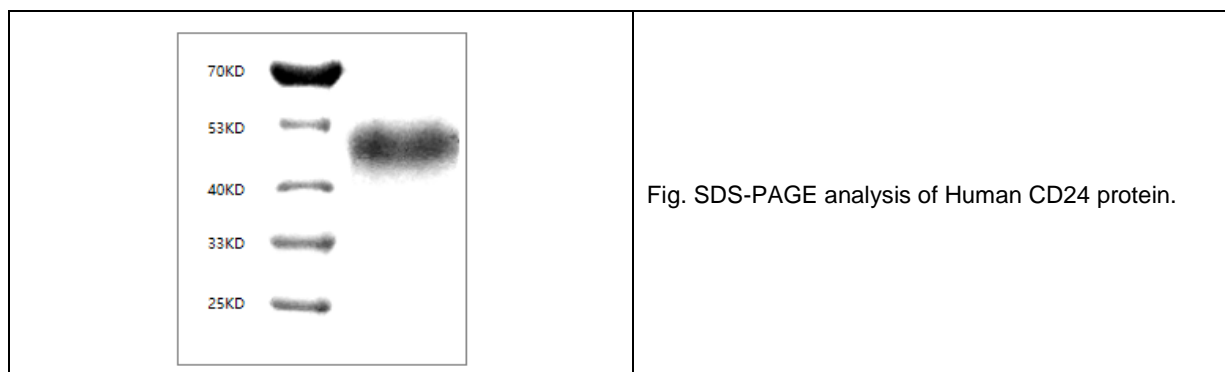
Protein length: The recombinant human CD24 consists of 270 amino acids and predicts a molecular mass of 29.7 kD. It migrates as an approximately 45-55 kD band in SDS-PAGE under reducing conditions due to glycosylation.

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human CD24 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human CD24 protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.