Recombinant Human CD24 protein, His-tagged

Cat. No. CD24-475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant CD24 protein (Ser27-Gly59), fused to His-tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	27-59 a.a.
Description	CD24 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.
Form	Lyophilized from 0.22 μm filtered solution in PBS with Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	5.0 kDa
Endotoxin	Less than 1.0 EU per μg by the LAL method.

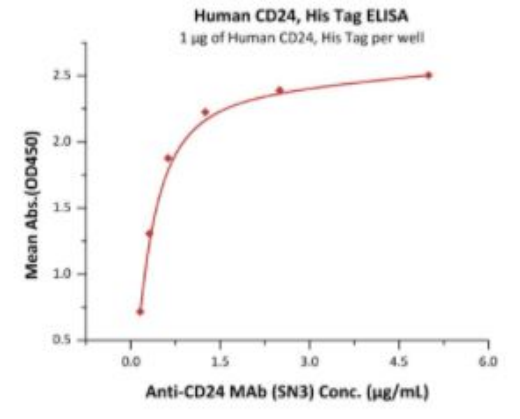
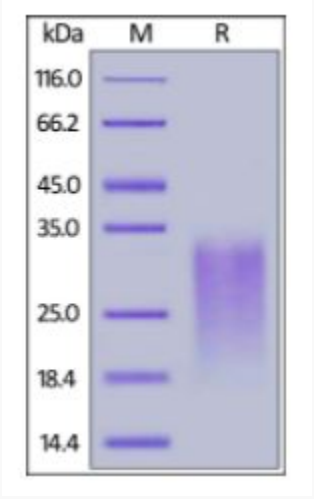
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Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD24
Official Symbol	CD24
Synonyms	CD24A
Gene ID	100133941
mRNA Refseq	NM_013230.3
Protein Refseq	NP_037362.1
MIM	600074
UniProt ID	P25063

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Bioactivity-ELISA of CD24-475H	 Immobilized Human CD24, His Tag at 10 μg/mL (100 μL/well) can bind Anti-CD24 MAb (SN3) with a linear range of 0.01-0.625 μg/mL (QC tested).
SDS-PAGE of CD24-475H	 Human CD24, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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