Mouse CD24 Protein, His Tag

Catalog # CD4-M52H7

Synonym

CD24,CD24A

Source

Mouse CD24, His Tag (CD4-M52H7) is expressed from human 293 cells (HEK293). It contains AA Asn 27 - Gly 53 (Accession # P24807-1).
Predicted N-terminus: Asn 27

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 4.6 kDa. The protein migrates as 20-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

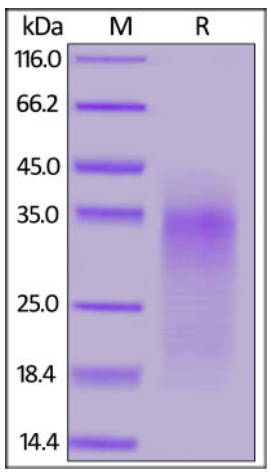
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse 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%.

Background

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.

References

(1) Suzuki T1, et al. 2001. J Immunol. 166(9):5567-77.

(2) Chen Z, et al. 2017. Biomed Pharmacother. 90:427-436.

(3) Eyvazi S, et al. 2018. Curr Cancer Drug Targets. 18(4):328-336.

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.