

MOUSE CD24 PROTEIN, HFC TAG

Cat.#: 12201

Product Name: Mouse CD24 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD24α;HSA;Ly-52;nectadrin

Target: CD24

UNIPROT ID: P24807

Description: Recombinant mouse CD24 protein with C-terminal human Fc tag

Background: Enables Hsp70 protein binding activity; Hsp90 protein binding activity; and carbohydrate binding activity. Involved in several processes, including chemokine receptor transport out of membrane raft; negative regulation of cytokine production; and regulation of inflammatory response to wounding. Acts upstream of or within several processes, including positive regulation of immune response; regulation of cell-cell adhesion; and regulation of lymphocyte activation. Located in cell projection membrane; external side of plasma membrane; and membrane raft. Is anchored component of external side of plasma membrane. Is expressed in several structures, including extraembryonic component; genitourinary system; hemolymphoid system; hindlimb; and retina. Human ortholog(s) of this gene implicated in multiple sclerosis. Orthologous to human CD24 (CD24 molecule). [provided by Alliance of Genome Resources, Apr 2022]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 28.8 kDa after removal of the signal peptide. The apparent molecular mass of mCD24-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: Mouse CD24(Asn27-Arg52) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

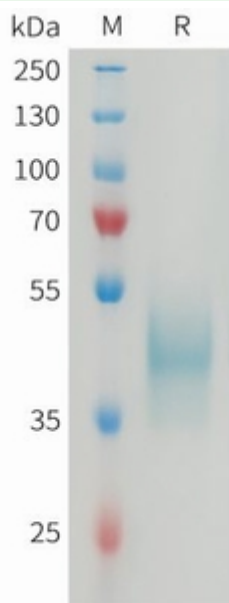


Figure 1. Mouse CD24 Protein, hFc Tag on SDS-PAGE under reducing condition.