

CD24

Catalog # PVGS1622

Product Information

Primary Accession P24807
Species Mouse

Sequence Ser27-Gly53

Purity > 90% as analyzed by SDS-PAGE

Endotoxin Level

Expression System CHO 3E7

Formulation Lyophilized from a 0.2 Im filtered solution in PBS.

Reconstitution It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in

ddH₂O or PBS up to 100 □g/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at lower than

-70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw

cycles.

Additional Information

Gene ID 12484

Other Names Signal transducer CD24, Lymphocyte antigen 52, Ly-52, M1/69-J11D heat

stable antigen, HSA, Nectadrin, R13-Ag, X62 heat stable antigen, CD24, Cd24,

Cd24a, Ly-52

Target Background Signal transducer CD24 also known as cluster of differentiation 24 or heat

stable antigen CD24 (HSA) is a protein that in mouse is encoded by the CD24 gene. CD24 is a cell adhesion molecule. CD24 is a sialoglycoprotein expressed at the surface of most B lymphocytes and differentiating neuroblasts. It is also expressed on neutrophils and neutrophil precursors from the myelocyte

stage onwards. The encoded protein is anchored via a glycosyl

phosphatidylinositol (GPI) link to the cell surface. The protein also contributes to a wide range of downstream signaling networks and is crucial for neural development. Cross-linking of CD24 on the surface of neutrophils induces

apoptosis, and this appears to be defective in sepsis.

Protein Information

Name Cd24

Synonyms Cd24a, Ly-52

Function May have a pivotal role in cell differentiation of different cell types. May

have a specific role in early thymocyte development. 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 (By similarity). 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 (PubMed: 19264983). Plays a role in the control of

autoimmunity (PubMed: 20200274).

Cellular Location Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Location In lymphoid, myeloid, and erythroid cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.