

CD24

Catalog # PVGS1622

Product Information

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| Primary Accession Species | P24807 Mouse |
| Sequence | Ser27-Gly53 |
| Purity | > 90% as analyzed by SDS-PAGE |
| Endotoxin Level Expression System | CHO 3E7 |
| Formulation Reconstitution | Lyophilized from a 0.2 μ m filtered solution in PBS. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μ 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

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| 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

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| 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'.