

CD24

Catalog # PVGS1938

Product Information

Primary Accession Species	P24807 Mouse
Sequence	Asn27-Gly53
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μ g by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	29.1 kDa
Formulation Reconstitution	Lyophilized from a 0.22 μ m filtered solution in PBS, (pH 7.4). Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. 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	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 potential for targeting CD24 in cancer therapy seems promising, as CD24 is overexpressed in many human cancers.

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'.