

**CD24**  
**Catalog # PVGS1938****Specification**

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**CD24 - Product Information**

Primary Accession [P24807](#)  
**Species**  
Mouse

**Sequence**  
Asn27-Gly53

**Purity**  
> 95% as determined by Bis-Tris PAGE  
> 95% as determined by HPLC

**Endotoxin Level**  
Less than 1EU per µg by the LAL method.

**Expression System**  
HEK293

**Theoretical Molecular Weight**  
29.1 kDa

Formulation **Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).**

**Reconstitution**  
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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.

**CD24 - 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.

## CD24 - 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:<a href="http://www.uniprot.org/citations/19264983" target="\_blank">19264983</a>). Plays a role in the control of autoimmunity (PubMed:<a href="http://www.uniprot.org/citations/20200274" target="\_blank">20200274</a>).

### Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor.

### Tissue Location

In lymphoid, myeloid, and erythroid cells.

## CD24 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CD24 - Images