

**CD24 Antibody (N-Term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8782a****Specification**

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**CD24 Antibody (N-Term) Blocking Peptide - Product Information**

Primary Accession [P25063](#)  
Other Accession [NP\\_037362](#)

**CD24 Antibody (N-Term) Blocking Peptide - Additional Information**

**Gene ID** 100133941

**Other Names**

Signal transducer CD24, Small cell lung carcinoma cluster 4 antigen, CD24, CD24, CD24A

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8782a](/products/AP8782a) was selected from the N-Term region of human CD24. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CD24 Antibody (N-Term) Blocking Peptide - Protein Information**

**Name** CD24

**Synonyms** CD24A

**Function**

May have a pivotal role in cell differentiation of different cell types. 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. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells (PubMed: <http://www.uniprot.org/citations/11313396> target="\_blank">11313396). 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. Plays a role in the control of autoimmunity (By similarity).

**Cellular Location**

Cell membrane; Lipid-anchor, GPI-anchor.

**Tissue Location**

B-cells. Expressed in a number of B-cell lines including P32/ISH and Namalwa. Expressed in erythroleukemia cell and small cell lung carcinoma cell lines. Also expressed on the surface of T-cells.

**CD24 Antibody (N-Term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CD24 Antibody (N-Term) Blocking Peptide - Images****CD24 Antibody (N-Term) Blocking Peptide - Background**

CD24 is a sialoglycoprotein that is expressed on mature granulocytes and in many B cells. This protein is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface.

**CD24 Antibody (N-Term) Blocking Peptide - References**

Kay,R., et.al., J. Immunol. 147 (4), 1412-1416 (1991)