

## CD24 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78913
Synonyms:	CD24; CD24A
Species:	Human
Source:	HEK293
Accession:	P25063-1 (S27-G59)
Gene ID:	100133941
Molecular Weight:	Approximately 43 kDa

### PROPERTIES

<b>Biological Activity</b>	Immobilized Biotinylated Human CD24 His-Avi at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate can bind Anti-CD24 MAb (SN3) with a linear range of 0.6-10 ng/mL.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized a 0.22 µm filtered solution of PBS, 6% Trehalose, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The CD24 protein is implicated in playing a pivotal role in the cell differentiation of various cell types, with its signaling potentially triggered by the binding of a lectin-like ligand to CD24 carbohydrates, transduced through the release of second messengers derived from the GPI-anchor. CD24 also functions in modulating B-cell activation responses, promoting AG-dependent proliferation of B-cells, and preventing their terminal differentiation into antibody-forming cells. In association with SIGLEC10, CD24 may contribute to the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70, and HSP90, suggesting a role in immune regulation. Additionally, CD24 is implicated in the control of autoimmunity. It exhibits cell-type-specific interactions with LYN and FGR, binding to FRG in a small cell cancer line, LYN in the erythroleukemia cell line K-562, and in Burkitt's lymphoma, highlighting its diverse involvement in cellular processes and immune regulation.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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