

## CD24 Protein, Cynomolgus (Biotinylated, HEK293, Fc)

Cat. No.:	HY-P77598
Synonyms:	CD 24; CD24 molecule; CD24A; FLJ22950; FLJ43543; MGC75043
Species:	Cynomolgus
Source:	HEK293
Accession:	I7GKK1 (T27-K54)
Gene ID:	/
Molecular Weight:	50-58 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

#### Background

CD24 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<sup>[1][2][3]</sup>.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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