

## CD24 Protein, Mouse (27a.a, HEK293, mFc)

Cat. No.:	HY-P78255
Synonyms:	CD 24; CD24 molecule; CD24A; FLJ22950; FLJ43543; MGC75043
Species:	Mouse
Source:	HEK293
Accession:	P24807 (Q27-G53)
Gene ID:	12484
Molecular Weight:	58-62 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	<p>CD24 Protein is postulated to play a pivotal role in the cell differentiation processes of various cell types, with a specific implication in early thymocyte development. Its signaling potential is suggested to be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, transduced through the release of second messengers derived from the GPI-anchor. Additionally, CD24 is implicated in modulating B-cell activation responses, indicative of its regulatory influence in immune processes. In conjunction with SIGLEC10, CD24 may participate in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70, and HSP90. This CD24:SIGLEC10 complex is proposed to inhibit HMGB1-mediated tissue damage immune responses, suggesting CD24's role in immune regulation and control of autoimmunity. The multifaceted functions of CD24 underscore its potential as a key player in diverse cellular and immune processes.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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