

# Recombinant Human CD24 Fc Chimera Protein, Insect Cells Derived



Catalog No: #AP60513

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Package Size: #AP60513-1 5ug #AP60513-2 100ug #AP60513-3 500ug

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## Description

Product Name	Recombinant Human CD24 Fc Chimera Protein, Insect Cells Derived
Host Species	Insect Cell
Purification	> 95 % by SDS-PAGE analyses.
Calculated MW	The protein has a calculated MW of 30.4 kDa, containing 276 amino acids. The protein migrates as 40-50 kDa in SDS-PAGE under reducing condition due to glycosylation.
Target Sequence	AGMGMSETTTGTSSNSSQSTSNSGLAPNPTNATTKAAGIEGRMDEPKSSDKTHTCPPCPAPEFEGAPSVFLF PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN GKEYKCKVSNKALPTPIEKTKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPE NNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

CD24, also known as Heat-Stable Antigen and Nectadrin, is a heavily and variably glycosylated 30 kDa-60 kDa GPI-linked sialoprotein. Human CD24 is expressed on B lineage cells and granulocytes, on epithelial, neuronal, and muscle cells, and on a range of tumor cells. In mouse, CD24 is even more widely expressed, particularly on T cells, monocytes, and dendritic cells. CD24 expression is regulated during lineage development and with the activation of various cell types. Antibody crosslinking of CD24 enhances the induction of apoptosis in B and T lymphocytes which contributes to negative selection and the induction of immune tolerance. CD24 on antigen presenting cells cooperates with B7 molecules in the costimulation of T cells. CD24 associates in cis with Siglec-10 (or Siglec-G in mouse) and with the danger-associated molecules HMGB1, HSP70, or HSP90 which are released from necrotic or damaged cells. Formation of these ternary complexes fills a protective role: the resulting Siglec-10 signaling inhibits inflammatory responses that are otherwise induced by extracellular DAMPs. Mature human CD24 shares 30% and 42% amino acid sequence identity with mouse and rat CD24, respectively.

Note: This product is for in vitro research use only