

## Product datasheet for **TP727740**

### CD24 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Signal Transducer CD24/CD24 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser27-Gly59
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Signal Transducer CD24 is produced by our Mammalian expression system and the target gene encoding Ser27-Gly59(Ser44Thr) is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	100133941
UniProt ID:	<a href="#">P25063</a>
Summary:	Signal Transducer CD24 is a heavily and variably glycosylated 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. 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 Siglec10 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 Siglec10 signaling inhibits inflammatory responses that are otherwise induced by extracellular DAMPs.



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