

## 32-8980: Recombinant Human Signal Transducer CD24/CD24 (C-Fc)

**Gene :** CD24  
**Gene ID :** 100133941  
**Uniprot ID :** P25063

### Description

Source: Human Cells.  
MW :29.8kD.

Recombinant Human Signal Transducer CD24 is produced by our Mammalian expression system and the target gene encoding Ser27-Gly59 is expressed with a Fc tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SETTTGTSSNSSQSTSNTGLAPNPTNATTKAAGIEGRMDPKSCDKTHTCPPCAPELLGGPSVFLFPPKPKDTL  
MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV  
SNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVL  
DSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.