

Recombinant Human Signal Transducer CD24/CD24 (C-Fc-Avi) Biotinylated

Catalog No. PKSH033998

Note: Centrifuge before opening to ensure complete recovery of vial contents.

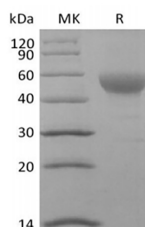
Description

Synonyms	Signal transducer CD24;Small cell lung carcinoma cluster 4 antigen;CD24;CD24A
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser27-Gly59
Accession	P25063
Calculated Molecular Weight	31.6 kDa
Observed molecular weight	40-55 kDa
Tag	C-Fc-Avi
Bioactivity	Immobilized Anti-Human CD24 mAb at 2µg/ml (100 µl/well) can bind Biotinylated Human CD24-Fc-Avi. The ED50 of Biotinylated Human CD24-Fc-Avi is 1. 83 ng/ml.

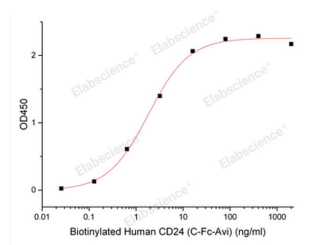
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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For Research Use Only

Background

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.