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

Catalog Number: PKSH033998

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

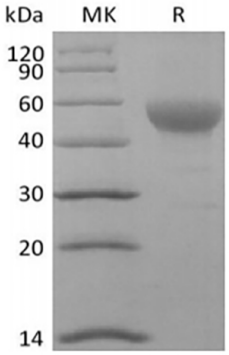
Description

Species	Human
Source	HEK293 Cells-derived Human CD24 protein Ser27-Gly59, with an C-terminal Fc & Avi
Calculated MW	31.6 kDa
Observed MW	40-55 kDa
Accession	P25063
Bio-activity	Immobilized Anti-Human CD24 mAb at 2μg/ml (100 μl/well) can bind Biotinylated Human CD24-Fc-Avi. The ED_{50} of Biotinylated Human CD24-Fc-Avi is 1. 83 ng/ml.

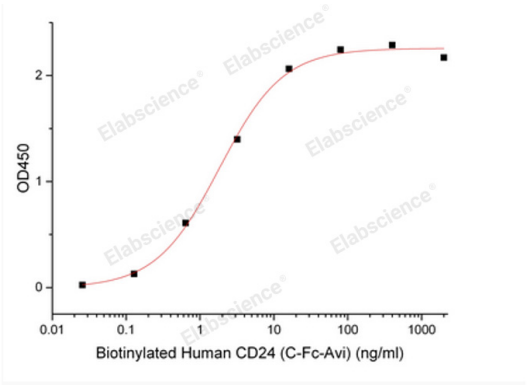
Properties

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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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% Tween 80 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



> 95 % as determined by reducing SDS-PAGE.



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.

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.