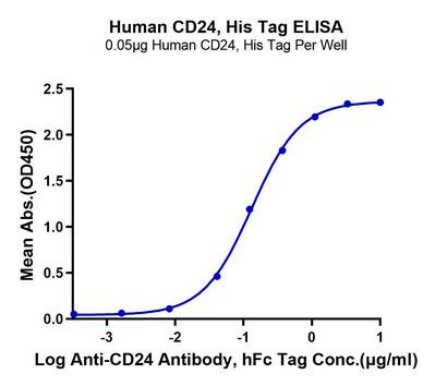
Bioactive CellTx™ HuPro®

CD24 (Human) Recombinant Protein

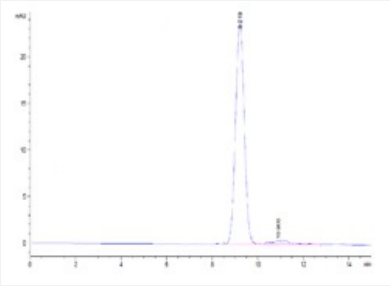
Catalog # P9702 Size 100 ug

Applications



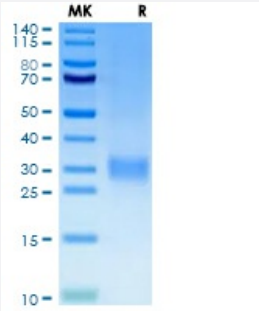
Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD24, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-CD24 Antibody, hFc Tag with the EC50 of 0.13 ug/mL determined by ELISA.



SEC-HPLC

The purity of Human CD24 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human CD24 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human CD24 (P25063-1, 27 a.a. - 59 a.a.) partial recombinant protein with His tag and Avi tag at C-terminus expressed in HEK293 cells.
Sequence	SETTTGTSSNSSQSTSNSGLAPNPTNATTKAAG
Host	Human
Theoretical MW (kDa)	6.5
Form	Liquid
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 0.13 ug/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD24 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD24 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4
Storage Instruction	Store at -80°C for 12 Month. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD24, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-CD24 Antibody, hFc Tag with the EC50 of 0.13 ug/mL determined by ELISA.
- SDS-PAGE

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Gene Info — CD24

Entrez GeneID	100133941
Protein Accession#	P25063-1
Gene Name	CD24
Gene Alias	CD24A, FLJ22950, FLJ43543, MGC75043
Gene Description	CD24 molecule
Gene Ontology	Hyperlink
Other Designations	CD24 antigen|CD24 antigen (small cell lung carcinoma cluster 4 antigen)

Disease

- Disease Progression
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Multiple Sclerosis
- Ovarian Neoplasms
- Sarcoidosis

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