

Bioactive

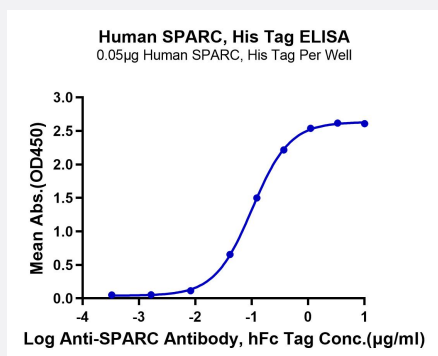
HuPro®

SPARC (Human) Recombinant Protein

Catalog # P9916

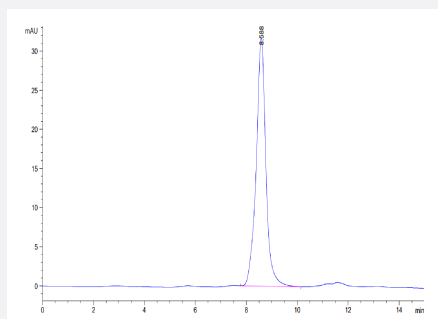
Size 100 ug

Applications



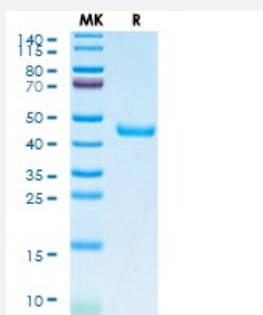
Enzyme-linked Immunoabsorbent Assay

Immobilized Human SPARC, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-SPARC Antibody, hFc Tag with the EC50 of 0.10 ug/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human SPARC (P09486, Ala18-Ile303) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Ala18-Ile303
Host	Human
Theoretical MW (kDa)	33.8
Form	Lyophilized
Preparation Method	Mammalian cell (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 0.10 ug/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human SPARC is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human SPARC 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	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human SPARC, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-SPARC Antibody, hFc Tag with the EC₅₀ of 0.10 ug/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — SPARC

Entrez GeneID [6678](#)

Protein Accession# [P09486](#)

Gene Name SPARC

Gene Alias ON

Gene Description secreted protein, acidic, cysteine-rich (osteonectin)

Omim ID [182120](#)

Gene Ontology [Hyperlink](#)

Gene Summary Secreted protein acidic and rich in cysteine/osteonectin/BM40, or SPARC, is a matrix-associated protein that elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (ECM) (Bradshaw et al., 2003 [PubMed 12721366]).[supplied by OMIM]

Other Designations cysteine-rich protein|osteonectin|secreted protein, acidic, cysteine-rich

Disease

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- [Diabetes Mellitus](#)
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