



Human Ovarian Cancer-Associated Fibroblasts (CAFs)

Product Information

Product Name	Human Ovarian Cancer-Associated Fibroblasts (CAFs)
Catalog Number	NEOCAF73
Cell Type	Primary Human Ovarian CAFs
Source	Human Ovarian Tumor Tissue
Species	Human
Passage Number	Passage 1
Cell Number	1,000,000 cells/vial
Growth Properties	Adherent
Morphology	Spindle-shaped fibroblast-like morphology
Biosafety Level	BSL-2
Storage Condition	Liquid Nitrogen Vapor Phase
Shipping Condition	Dry Ice
Intended Use	For Research Use Only (RUO). Not for human or clinical applications.

Description

Human Ovarian Cancer-Associated Fibroblasts (CAFs) are isolated from ovarian tumor microenvironment tissue and play a critical role in tumor progression, extracellular matrix remodeling, angiogenesis, immune modulation, and metastatic signaling. These cells are highly valuable for ovarian cancer research, tumor-stroma interaction studies, drug screening, fibrosis studies, immuno-oncology, and 3D tumor modeling applications.

These primary CAFs exhibit strong fibroblast characteristics and express multiple stromal and activation-associated markers commonly identified in ovarian tumor-associated fibroblast populations.

Recommended Culture Conditions

Parameter	Recommendation
Recommended Medium	Fibroblast Growth Medium



Parameter	Recommendation
Culture Vessel Coating	Standard Tissue Culture-Treated Flasks
Incubation Conditions	37°C, 5% CO ₂
Medium Renewal	Every 2–3 days
Subculture Ratio	1:2 to 1:4

Characterization Markers

Positive Expression Markers

Marker	Expression
α -SMA (ACTA2)	Positive
FAP	Positive
Vimentin	Positive
Fibroblast-Specific Protein 1 (FSP1/S100A4)	Positive
PDGFR- β	Positive
TE-7	Positive
Fibronectin	Positive
Collagen I	Positive
Collagen III	Positive
Tenascin-C	Positive
CD90 (Thy-1)	Positive
PDPN (Podoplanin)	Positive
TGF- β Responsive Markers	Positive
CXCL12	Positive
IL-6	Positive

Negative Expression Markers

Marker	Expression
Cytokeratin (Pan-CK)	Negative
EpCAM	Negative
CD31	Negative
CD45	Negative



Marker	Expression
VE-Cadherin	Negative

Functional Applications

- Tumor Microenvironment Studies
 - Ovarian Cancer Research
 - Stromal Cell Biology
 - Drug Discovery & Screening
 - Fibrosis & ECM Remodeling Studies
 - Immunotherapy Research
 - Co-Culture Assays
 - 3D Tumor Spheroid Models
 - Exosome & Secretome Research
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Quality Control

Test	Result
Morphology Verification	Pass
Sterility Testing	Negative
Mycoplasma Testing	Negative
Viability	≥ 85% Post-Thaw
Species Verification	Human

Cryopreservation

Cells are cryopreserved in a validated freezing medium containing DMSO and serum supplements to ensure high post-thaw recovery and viability.

Safety Statement

This product is intended for laboratory research use only and is not intended for diagnostic, therapeutic, or clinical applications.