

Product sheet

SW1271 | 305880

SW1271

Description
SW1271 is a human small cell lung carcinoma (SCLC) cell line. It is characterized by the presence of neuroendocrine markers such as synaptophysin, chromogranin A, and CD56. SW1271 cells are highly proliferative and are commonly used in research related to SCLC biology and drug development. Key features include high tumorigenicity in immunodeficient mice and the presence of a wild-type TP53 gene.

Organism Human

Tissue Lung

Disease Small cell lung carcinoma

Synonyms SW-1271, SW 1271

Characteristics

Age 69 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Small cell carcinoma

Growth properties Adherent

References

Citation SW1271 (ATCC CCL-220) | Cytion 305880

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1716

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XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

Antigen expression XXXX XXXA; Rh +

Mutational profile XXXXXXXX: NRAS, XXXXXXXX, p.Gln61Arg (c.182A>G), XXXXXXXXXXXXXXXX, SMARCA4, XXXXXXXX, p.Asn774Lys (c.2322C>A), XXXXXXXXXXXXXXXX XXXXXXXX

XXXXXXXXXX

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L XXXXXXXX, w: 2.5 mM L-XXXXXXX, w: 15 mM HEPES, w: 0.5 mM XXXX XXXXXXXX, w: 1.2 g/L NaHCO3 820400a)

Supplements XXXXX XXXXXXXX 10% FBS, AB, 5µg/mL XXXXXXXXXXXXX

Dissociation Reagent XXXXXXXX

Fluid renewal 2 X 3 XXXXXXX XXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXX (XXXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XXX C

- Thawing and Culturing Cells**
1. XXX XXXXXXXXXX XXXX XXXXX XXXXXXXXXX XXX XXXXXXXXXX, XXX XXXXXXX XXXXXXXXXX XXXX XXX XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
 2. XXX XXXXXXX XXXXXXXXXX, XXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXX XXXXXXXXXX XXXXXXXXXX -150°C XXX XXXXXXXXXX XXX XXXXXXX XXXXXXX XXXXXXXXXX, XXX XXXXXXX
 3. XXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXX XXXXXXXXXX XXXX XXXXXXXXXX XXX XXXXXXXXXX XXX XXXXXXXXXX
 4. XXXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 70% XXXXXXX XXXXXXXXXX
 5. XXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX 15 µ" XXXXXXXXXX 8 µ" XXX XXX XXXXXXX XXXXXXXXXX XXXXXXXXXX
 6. XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX -300 x g XXXXXXXXXX 3 XXXXXXX XXXX XXXXXXXXXX XXX XXXXXXXXXX, XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
 7. XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX -10 µ" XXX XXX XXXXXXXXXX XXXX. XXXXXXX XXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXXX XXX XXXXXXXXXX XXXXXXXXXX T2
 8. XXXXXXXXXX XXX XXXXXXXXXX XXXX-XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX, XXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX

