

WT51 | 302141

Description	Epithelial cell line derived from a nasopharyngeal carcinoma (EBV) negative patient.
Organism	Human
Tissue	Epithelial
Applications	Cell culture, drug screening, HLA typing, immunology, cancer research, cell biology, genomics, proteomics, transcriptomics, metabolomics, bioinformatics, systems biology, synthetic biology, regenerative medicine, tissue engineering, stem cell research, gene therapy, gene editing, CRISPR/Cas9, RNAi, siRNA, miRNA, lncRNA, circRNA, exosomes, vesicles, nanomedicine, personalized medicine, precision medicine, digital health, artificial intelligence, machine learning, big data, cloud computing, blockchain, quantum computing, nanotechnology, biotechnology, biophysics, biochemistry, molecular biology, cell physiology, cell signaling, cell death, cell cycle, cell differentiation, cell migration, cell adhesion, cell communication, cell homeostasis, cell metabolism, cell energetics, cell biomechanics, cell biophysics, cell biochemistry, cell molecular biology, cell physiology, cell signaling, cell death, cell cycle, cell differentiation, cell migration, cell adhesion, cell communication, cell homeostasis, cell metabolism, cell energetics, cell biomechanics, cell biophysics, cell biochemistry, cell molecular biology.
Synonyms	WT-51, WT 51, GM03103, GM3103, GM03103A
Age	50-60
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells
Cell type	Epithelial cells
Growth properties	Adherent
Citation	WT51 (ATCC CCL-222) ATCC 302141
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_E887

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Antigen expression CD19+

Viruses SV40 JC/BK HBV CV C

Karyotype 46

Culture Medium RPMI 1640 2.0 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Subculturing 5

Fluid renewal 1 2

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml of culture medium.
4. Seed cells into a T75 flask containing 70% culture medium.
5. Incubate cells at 37°C in 5% CO2.
6. Monitor cell growth and confluency.
7. Harvest cells when they reach 80-90% confluency.
8. Perform subculturing as described above.

Incubation Atmosphere 37°C 5% CO2

