

KHYG-1 | 305890

Cell Line

Description	KHYG-1 is a human NK (Natural Killer) cell line, derived from a peripheral blood mononuclear cell (PBMC) sample of a healthy donor. It is a CD56⁺CD3⁺ cell line, expressing various NK markers including CD16, CD57, and CD244. KHYG-1 cells are known for their cytotoxic activity against target cells, mediated by the release of cytotoxic granules containing perforin and granzymes. KHYG-1 cells are maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. They are typically grown in T25 flasks and can be passaged by trypsinization. KHYG-1 cells are a valuable tool for studying NK cell biology and function, particularly in the context of cancer immunotherapy.
Organism	Human
Tissue	Immune system
Disease	Not applicable
Synonyms	KHYG1, KHYG

Characteristics

Age	45 years
Gender	Male
Ethnicity	Chinese
Morphology	Adherent, epithelial
Growth properties	Exponential growth

Documentation

Citation	KHYG-1 (Cell Line) Cytion 305890
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2976

Mutational profile p.Gly12Ala, p.Arg248Trp,

Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (100% β -mercaptoethanol Cytion 820700a)
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Dissociation Reagent ☒ ☒ ☒ ☒

Split ratio ☐ 1/4 ☒ 3-4 ☐

Freeze medium , + 10% DMSO

[illegible]

Product sheet

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Incubation
Atmosphere

37°C, 5%_{CO2}, H_2 100%, O_2 0%

Flask Coating

Yes

Shipping
Conditions

Shipped in dry ice, stored at -78°C

Storage
Conditions

Store at -150 to -196°C

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