

Product sheet

**XXXXXXXX NCH612 | 300121**

**XXXXXXXXXX XXXXX**

**Description** NCH612 is a cell line derived from a patient with a diagnosis of diffuse large B-cell lymphoma (DLBCL). The cell line is characterized by the presence of a t(14;18)(q32;q21) translocation, resulting in the overexpression of BCL2. Additionally, the cell line harbors a mutation in the IDH1 gene (IDH1 R132H). The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

**Organism** Homo sapiens

**Tissue** Lymphoid tissue

**Disease** Diffuse large B-cell lymphoma (DLBCL) IDH1 (R132H)

**XXXXXXXXXX**

**Age** 39 years

**Gender** Male

**Ethnicity** Caucasian

**Growth properties** Cell line derived from a patient with a diagnosis of diffuse large B-cell lymphoma (DLBCL). The cell line is characterized by the presence of a t(14;18)(q32;q21) translocation, resulting in the overexpression of BCL2. Additionally, the cell line harbors a mutation in the IDH1 gene (IDH1 R132H). The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

**XXXXXXXXXX XXXXXXXXXXXXX**

**Citation** NCH612 (XXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX 300121)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_x913

**XXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX**

**XXXXXXXXXX**

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**Culture Medium** DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml / 2.5 µg/ml (15 µg/ml)

**Supplements** 10% FBS 5 µg/ml / 20 µg/ml bFGF 20 µg/ml

**Subculturing** 5 × 10<sup>5</sup> cells

**Seeding density** 1 × 10<sup>5</sup> cells

**Fluid renewal** 2-3 times (2-5 times)

**Post-Thaw Recovery** 48 hours

**Freeze medium** 50% + 40% + 10% DMSO CM-1

- 1. Thawing and Culturing Cells
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

**Incubation Atmosphere** 37 °C

**Flask Coating**

