

Z-138 | 305516

General information

Description	Z-138 is a human B-cell lymphoma cell line (MCL) derived from a patient with chronic lymphocytic leukemia (CLL). BCL-2 is overexpressed, leading to increased cell survival. Z-138 is highly sensitive to BCR inhibitors, such as ibrutinib. Z-138 is a B-cell lymphoma cell line (MCL) derived from a patient with chronic lymphocytic leukemia (CLL). BCL-2 is overexpressed, leading to increased cell survival. Z-138 is highly sensitive to BCR inhibitors, such as ibrutinib.
Organism	Human
Tissue	B-lymphocytes
Disease	Chronic lymphocytic leukemia
Applications	Antibody production
Synonyms	Z138

Cell characteristics

Age	70 years
Gender	Male
Ethnicity	White
Morphology	Clonal
Cell type	B-lymphocytes
Growth properties	Adherent

Additional information

Citation	Z-138 (ATCC CCL-219) Cytion 305516
Biosafety level	1
NCBI_TaxID	9606

Product sheet

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CellosaurusAccession CVCL_B077

XXXXXXXX XXXX-XXXXXXXXXXXX

Antigen expression	CD3-, CD5-, CD10-, CD19+, CD20+, CD23+, FMC7-
Mutational profile	XXXXXX TRAF2, XXXXX, p.Trp114Ter (c.341G>A), XX XXXXXX
XXXXXXXX	
Culture Medium	IMDM, w: 4.5 g/L XXXXXX, w: 4 mM L-XXXXXXX, w: 25 mM HEPES, w: 1.0 mM XXXX XXXXXX, w: 3.024 g/L NaHCO3
Supplements	XX XXXXXX XXXXX 10% XXXX XXXXX
Doubling time	24 XXXX
Subculturing	XXXX XX XXXXX5 XXXX/XXXX, XXX 5-6 XXXX/XXXX, XXXXXX XXXXXX XXXXXX XXXX 5 x 10
Seeding density	3-5 × 10 ⁵ /XX'
Fluid renewal	2 XX 3 XXXXX XXXXX
Freeze medium	XXXXXX XXXXXX XXXXXX, XXX XXXXXX XXXXXX XXXXX XXX (XXXX FBS) + 10% DMSO XXX XXXXXX XXXXXX XXXXX XXXXX XXXXXX, XXX C

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**Thawing and
Culturing Cells**

1. XXXX XXXXXXXXXX XXXX XXXX XXXXXXXXXX XXX XXXXXXXXXX, XXX XXXXXXXXXX XXXXXXXXXX XXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
2. XXX XXXXX XXXXXXXXXX, XXXXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX -150°C XXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX, XXX XXXXXXXXXX
3. XXXXXXX XXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXX 37 XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX
4. XXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 70% XXXXXXXXXX XXXXXXXXXX
5. XXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 15 μ" XXXXXXXXXX 8 μ" XXX XXX XXX XXXXXXXXXX XXXXXXXXXX
6. XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX -300 x g XXXXXXXXXX 3 XXXXXXXXXX XXX XXXXXXXXXX XXX XXXXXXXXXX, XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX
7. XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX -10 μ" XXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXX XXX XXXXXXXXXX XXXXXXXXXX T2
8. XXXXXXXXXX XXX XXXXXXXXXX XXX-XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX, XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX

**Incubation
Atmosphere**

37°C, 5%_{CO2}, XXXXXXXXXX XXXXXXXXXX

**Shipping
Conditions**

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**Storage
Conditions**

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Sterility

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XXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX, XXXXXXXXXX XXX XXXXXXXXXX, XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX