

Z-138 | 305516

General information

Description	Z-138 is a human myeloid leukemia cell line (MCL) derived from a patient with chronic lymphocytic leukemia (CLL). It is a B-cell derived cell line that expresses B-cell markers and is highly sensitive to BCR signaling inhibition. Z-138 cells are used for studying B-cell biology and the effects of BCR signaling inhibitors. Z-138 cells are highly sensitive to BCR signaling inhibition and are used for studying B-cell biology and the effects of BCR signaling inhibitors.
Organism	Human
Tissue	Leukemia
Disease	Chronic lymphocytic leukemia (CLL)
Applications	Cell culture, drug screening
Synonyms	Z138

Cell culture

Age	70 years
Gender	Male
Ethnicity	White
Morphology	Leukemic cells
Cell type	Leukemic cells
Growth properties	Leukemic cells

Cell culture conditions

Citation	Z-138 (Cytion: 305516)
Biosafety level	1
NCBI_TaxID	9606

Product sheet

XXXXXXXXZ-138 | 305516

CellosaurusAccession CVCL_B077

XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Antigen expression CD3-~~CD5~~-~~CD10~~-~~CD19~~+~~CD20~~+~~CD23~~+~~FMC7~~-

Mutational profile ~~XXXX~~ TRAF2~~XXXXXX~~p.Trp114Ter (c.341G>A)~~XXXX~~ ~~XXXXXX~~

XXXXXXXXXX

Culture Medium IMDM~~XXXX~~ 4.5 ~~XXXX/XXXX~~ ~~XXXXXXXXXX~~ ~~XXXX~~ 4 ~~XXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXX~~ 25 ~~XXXXXX~~ ~~XXXXXXXXXX~~ (HEPES)~~XXXX~~ 1.0 ~~XXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~

Supplements ~~XXXX~~ ~~XXXX~~ ~~XXXXXX~~ 10~~XXXX~~ ~~XXXX~~ ~~XXXXXX~~

Doubling time 24 ~~XXXXXX~~

Subculturing ~~XXXXXX~~ ~~XXXX~~ ~~XXXX~~ 5~~XXXXXX~~ ~~XXXX~~ 5~~XXXXXX~~ ~~XXXX~~ 6~~XXXXXX~~ ~~XXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXX~~ 5 × 10

Seeding density 3-5*10^5/~~XXXX~~

Fluid renewal 2 ~~XXXX~~ 3 ~~XXXXXX~~ ~~XXXX~~ ~~XXXXXXXXXX~~

Freeze medium ~~XXXXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXX~~ ~~XXXX~~ ~~XXXXXX~~ (~~XXXX~~ ~~XXXX~~ ~~XXXX~~ FBS) + 10% DMSO ~~XXXX~~ ~~XXXX~~ ~~XXXXXXXXXX~~ ~~XXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~ ~~XXXX~~ ~~XXXXXXXXXX~~ ~~XXXXXXXXXX~~

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**Thawing and
Culturing Cells**

1. XXXX XX XXXX XXXXXXXX XXXXX XXXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXXXX XXXXXXXX XXXXXXX XXXXXXX
2. XXX XXXXXXXX XXX XXXXX XXXXXXXX XXXXXXXX XXX XXXXX XXX XXXX XXXXXXX XXX XX-150 XXXX XXXXX XXXXX XXXXXXX XXX XXX
3. XXXXXXXX XXXXXXXX XX XXXXXXX XXXXXXXX XXXXX XX XXXX XXXXX XX XXXX XXXX XXXXX XXXXX 37 XXXX XXXXX XXXXX XXXXX XXX
4. XXXXX XXXX XXXXXXX XXXXXXX XX XXXX XXXXX XX XXXX XXXXXXX XX XXXXX XXXXXXXX XXXXXXX XXXXX 70% XX XXXXXXXX XXX
5. XXXX XXXXXXX XXXXXXX XXXXXXX XXXXX XXXX XXXXXXX XXX XXXXX XXX XXXXX XXX 15 XX XXXXX XXX 8 XX XX XXX XXXXXXX XXX
6. XXXX XXXXXXX XXXXXXX XXXXXXX XXX 300 × XX XXXX 3 XXXXX XXXX XXXXXXX XXXXX XXXXXXX XX XXXXXXX XXXXXXX XXXX XXXXX XXX
7. XXXXX XXXXX XXXXX XXXXXXX XXXX XX 10 XX XX XXX XXXXX XXXX. XXXXXXX XXXXXXXX XXXXXXXXXX XX XXXXXXX XXXXXXX XXX XXXX
8. XXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXX XX XXXXXXX XXXXXXX XXXXX XXX XXXX XXXXX XXXX

**Incubation
Atmosphere**

37 XXXX XXXXXXXXXX XX XX XXXX
XXXX

**Shipping
Conditions**

XXXXXX XXXX XXXXXXXX XXXXXXXXXX XXXXXXXX XXX XXX XXX XX XXXXX XXXXXXX XXXXXXXX XX XXXX XXXX XXXXXXX XXX XXXX XXXXXXX -78 XXXX

**Storage
Conditions**

XXXXXX XXXX XXXXXXX XX XXXXXXXXXX XX XXXXXXXXXX XXXX XX XXX XXXXXXX XXX XXXXX XXXXXXX XXXXXXX XXX-150 X-196 XXXX XXXXXXX XXXXXXXX

XXXXXXXX XXXXXXXX XXXXXXXXXX XXXXXXXXXX

Sterility

XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXX XXX XX XXXXXXXXXX XXXXXXX XXX XXXXX XXXXXXXXXX XXXXXXXXXX (PCR) XXXXX XXXXXXX XXX

XXXXXX XXX XXXX XXXX XXXXXXX XX XXXX XX XXXXX XXX XXXXX XXXXX XXXXXXX XXXXX XXXXXXX XXXXXXX