

Product sheet

XXXXX B-LCL-CDG2 | 302013

XXXXX XXXXX

Description	B-LCL-CDG2 XXXX XX XXXXX XX XXXXXXXXXXXXXXX B XXXXX XXXXX XX XXX XXXXX EBV, XXXXXXX XXXXX XXXXX XXXXXXX X-PMM2-CDG. PMM2-CD
Organism	XXXX
Tissue	XX XXXXX
Disease	XXXXXXXX XXXXXXX XXXXXXXXXXXXXXX
Applications	XXXXXXXX XX XXXXXXX CDG XXXX XXXXX, XXXXXXX XXXXXXX (XXXX, XXXXXXX XX XXX XXX B), XXXXXXX XX XXXXXXX XXXXXXXXXXXXXXX, XXXXXXX

XXXXXXXXXXXX

Age	XXXX
Gender	XXXX
Ethnicity	XXXXXXXX
Morphology	XXXX XXXXXXX
Cell type	XXXXXXXXXX B
Growth properties	XXXX, XXXXX

XXXXXXXXXX XXXXXXXXXXXXXXX

Citation	B-LCL-CDG2 (XXXX XXXXXXX Cytion 302013)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_A9Y1

XXXXXXXXXX XXXX-XXXXXXXXXXXX

CD34⁺ B-LCL-CDG2 | 302013

Thawing and Culturing Cells

1. **Thawing:** Thaw the cryovials rapidly in a 37°C water bath. Do not allow the cells to remain at room temperature for more than 5 minutes.
2. **Resuspension:** Resuspend the cells in 10 ml of pre-warmed cell culture medium. Gently mix by pipetting up and down. Do not vortex.
3. **Seeding:** Seed the cells into a pre-warmed T25 flask containing 10 ml of cell culture medium. Gently mix by pipetting up and down.
4. **Medium Change:** After 24 hours, change the medium to fresh, pre-warmed cell culture medium. Remove 70% of the medium.
5. **Flask Coating:** Coat the flask with 15 µg/ml of CD34 antibody. Incubate for 1 hour at 37°C.
6. **Cell Attachment:** Seed the cells into the coated flask. Incubate for 24 hours at 37°C. The cells should attach to the flask.
7. **Medium Change:** After 24 hours, change the medium to fresh, pre-warmed cell culture medium. Remove 10% of the medium.
8. **Expansion:** Expand the cells in cell culture medium. Harvest the cells when they reach 80% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

CD34 antibody (15 µg/ml) in PBS, pH 7.4, 1 hour at 37°C

Freezing Procedure

Resuspend cells in 1 ml of freezing medium. Seed into a cryovial. Freeze at -80°C

Shipping Conditions

Store at -80°C. Ship on dry ice. Deliver to customer within 72 hours.

Storage Conditions

Store at -150°C. 196 vials per vial. Store in liquid nitrogen.

CD34⁺ B-LCL-CDG2 / CD34⁺ B-LCL-CDG2 / HLA

Sterility

CD34⁺ B-LCL-CDG2 is sterile. PCR negative for mycoplasma, endotoxin, and viruses.

CD34⁺ B-LCL-CDG2 is free of mycoplasma, endotoxin, and viruses. CD34⁺ B-LCL-CDG2 is free of mycoplasma, endotoxin, and viruses.

██████B-LCL-CDG2 | 302013

██████ HLA

A*: '02:01:01, '31:01:02

B*: '40:01:02, '44:02:01

C*: '03:04:01, '05:01:01

DRB1*: '04:04:01, '09:01:02

DQA1*: 03:01:01, 03:02:01

DQB1*: 03:02:01, 03:03:02

DPB1*: 04:02:01, 06:01:01

E: 01:01, 01:03