

Product sheet

**WEHI-3B | 400376**

**WEHI-3B**

**Description** WEHI-3B is a murine B cell hybridoma cell line that produces monoclonal antibodies against CD4. It was derived from a fusion of a murine B cell and a myeloma cell. The cell line is maintained in culture and produces a monoclonal antibody that binds to the CD4 protein on the surface of T cells. This antibody is used in various applications, including flow cytometry, immunoprecipitation, and immunoblotting.

**Organism** Mouse

**Tissue** B cell

**Disease** B cell leukemia

**Synonyms** WEHI-3b, Wehi-3B, WEHI 3B, WEHI3B

**Characteristics**

**Breed/Subspecies** BALB/c

**Cell type** B cell

**Growth properties** Adherent

**References**

**Citation** WEHI-3B (ATCC CCL 2239) Cytion 400376

**Biosafety level** 2

**NCBI\_TaxID** 10090

**CellosaurusAccession** CVCL\_2239

**Antibodies**

**Receptors expressed** CD4 (Fc), CD3 (C3)

**Viruses** None

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**Products** G-CSF, WEHI-3B (G-CSF), WEHI-3B (IL-3)

**Media**

**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** 10% FBS

**Subculturing** 1:5 to 1:10

**Seeding density** 1 x 10<sup>5</sup> cells/ml

**Fluid renewal** 2-3 times

**Post-Thaw Recovery** 24 hours

**Freeze medium** (FBS) + 10% DMSO

**Thawing and Culturing Cells**

1. Thaw cells rapidly in a 37°C water bath, then transfer to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes, remove supernatant, and resuspend in 1 ml of medium.
3. Seed cells into a 24-well plate at a density of 1 x 10<sup>5</sup> cells/ml.
4. Allow cells to recover for 24 hours before starting experiments.
5. For long-term culture, seed cells into a 96-well plate at a density of 1 x 10<sup>5</sup> cells/ml.
6. For short-term culture, seed cells into a 96-well plate at a density of 1 x 10<sup>5</sup> cells/ml.
7. For long-term culture, seed cells into a 96-well plate at a density of 1 x 10<sup>5</sup> cells/ml.
8. For short-term culture, seed cells into a 96-well plate at a density of 1 x 10<sup>5</sup> cells/ml.

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**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>,  $\alpha$ -MEM

**Flask Coating** CellTreat, CellTreat

**Freezing Procedure** 1. Harvest cells into 15ml centrifuge tubes. 2. Wash cells with PBS. 3. Resuspend cells in freezing medium. 4. Aliquot into 1ml cryovials. 5. Freeze at -80°C.

**Shipping Conditions** Dry Ice, -78°C

**Storage Conditions** -150 to -196 °C

HLA

**Sterility** PCR