

Product sheet

WEHI-164 | 400438

WEHI-164

**Description**  
WEHI-164 is a murine B cell hybridoma cell line derived from a BALB/c mouse. It produces monoclonal antibodies against the CD3 antigen. WEHI-164 cells are highly proliferative and can be grown in the presence of IL-3. WEHI-164 cells are used for the production of monoclonal antibodies against CD3.

**Organism**      mouse

**Disease**              B cell lymphoma

**Synonyms**            WEHI 164, WEHI164, WEHI 164 TC

Characteristics

**Breed/Subspecies**    BALB/c

**Morphology**            clonal B cell

**Cell type**                B cell

**Growth properties**    adherent

References

**Citation**                WEHI-164 (ATCC CCL 2251) Cytion 400438

**Biosafety level**        1

**NCBI\_TaxID**            10090

**CellosaurusAccession** CVCL\_2251

Characteristics

**Tumorigenic**            non-tumorigenic, Balb/c

Notes

**Product sheet**

**HEK293T-WEHI-164 | 400438**

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

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Seed cells into 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 70-80% confluency, dissociate cells using Trypsin and seed into fresh medium.

**Seeding density**  $1 \times 10^4$  cells/cm<sup>2</sup>

**Fluid renewal** 2-3 times per week

**Post-Thaw Recovery** After thawing, seed cells into fresh medium. Monitor cell growth and viability. Cells should reach 70-80% confluency within 48 hours.

**Freeze medium** RPMI 1640 medium supplemented with 10% FBS and 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath. Transfer cells to a pre-warmed medium.
  2. Centrifuge cells at 300 x g for 3 minutes. Resuspend cells in fresh medium.
  3. Seed cells into a 25 cm<sup>2</sup> flask at a density of  $1 \times 10^4$  cells/cm<sup>2</sup>.
  4. Incubate cells in a humidified CO<sub>2</sub> incubator at 37°C with 5% CO<sub>2</sub>.
  5. Monitor cell growth and viability. Cells should reach 70-80% confluency within 48 hours.
  6. Perform fluid renewal 2-3 times per week.
  7. For subculturing, dissociate cells using Trypsin and seed into fresh medium.
  8. For freezing, harvest cells and resuspend in freeze medium.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

