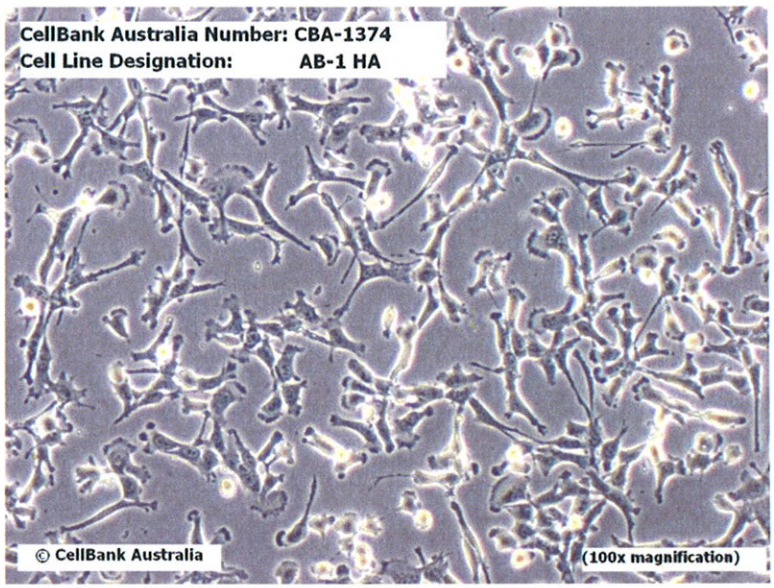
CellBank Australia

Cell Line Information Sheet for AB-1 HA

Cell Line Designation	AB-1 HA
CellBank Catalogue No.	CBA-1374
Lot Number	13740711S
Passage Number	19
Total Cell Number	3.5 x 10^6 cells
Expected Cell Viability	89%
Brief Description	Mouse mesothelioma cell line transfected with influenza haemaglutinin gene (HA)
Organism	Mouse (*Mus Musculus*)
Strain	BALB/c
Tissue	Mesothelium
Growth Properties	Adherent
Morphology	Epithelial. The cells are small and can be spindly at low density but form a uniform cobblestone epithelial layer at near confluence
Image	
Growth Medium	RPMI 1640 (with 2mM L-Glutamine+25mM Hepes) + 10%FCS +400µg/ml G418.
Subcultivation Ratio	Optimal split ratio 1:10-1:20 (seeding density 0.7x10^4 cells/cm^2). Harvest the cells using 0.05% Trypsin/EDTA at 37°C for 5 minutes. Flasks will require passaging twice weekly at this seeding density.

CellBank Australia
214 Hawkesbury Road
Westmead, NSW, 2145
Australia

P: +61 (0)2-8865-2850
F: +61 (0)2-9687-2120
www.cellbankaustralia.com
info@cellbankaustralia.com

CellBank Australia

Cell Line Information Sheet for AB-1 HA

Establishing and Maintaining your Culture	Maintain the culture at 37°C with 5% CO_2. Medium change twice weekly. Refer to Technical & Customer Service Information pamphlet for further information.
Cryoprotectant Medium	10% DMSO + 90% FCS.
Biosafety Level	Cell line of mouse origin. Cellbank Australia recommends that cell lines be handled at category PC-2* containment level. *AS/NZS 2243.3:2010
Use Restrictions	These cells are distributed for research purposes only - refer to the Material Transfer Agreement (MTA).
Safety Precaution	Where cell lines are shipped as frozen ampoules there is a small risk that the ampoule may be pressurised, due to the expansion of trapped liquid nitrogen and could explode on warming. It is recommended that persons handling ampoules of frozen cells wear appropriate personal protective equipment including laboratory coat, insulated gloves and a full protective face shield.
Handling Procedure for Frozen Cells	Upon receipt, frozen ampoules should be transferred directly to liquid nitrogen storage without delay, if not to be used immediately. Storage at -80°C may result in loss of viability. Remove protective cryoflex layer around the ampoule prior to thawing. A precentrifugation step to remove the cryoprotectant after thawing is necessary for this cell line.
Additional Information	Mice (BALB/c strain, female, 6-8 weeks old) were exposed to crocidolite asbestos through intraperitoneal injection, resulting in tumour development. Cultures were established from malignant mesothelial cells obtained from ascites fluid. The resulting cell line, denoted AB-1 was transfected with influenza haemaglutinin gene (HA) in order to generate an endogenous tumour antigen. AB-1 HA cells are tumourigenic in syngeneic immunocompetent mice.
Depositor	Richard Lake - University of Western Australia
Reference	AB-1 HA: Marzo AL, Lake RA, Robinson BW, Scott B. T-cell receptor transgenic analysis of tumor-specific CD8 and CD4 responses in the eradication of solid tumors. Cancer Res 1999;59(5):1071-9. For AB-1 line derivation: Davis MR, Manning LS, Whitaker D, Garlepp MJ, Robinson BW (1992) Establishment of a murine model of malignant mesothelioma. Int J Cancer 52: 881-886.

CellBank Australia
214 Hawkesbury Road
Westmead, NSW, 2145
Australia

P: +61 (0)2-8865-2850
F: +61 (0)2-9687-2120
www.cellbankaustralia.com
info@cellbankaustralia.com

CellBank Warranty

While CellBank Australia uses reasonable efforts to include accurate and up-to date information on this product sheet, CellBank Australia makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. CellBank Australia does not warrant that such information has been confirmed to be accurate.

Disclaimers

This product is sent with the condition that you are responsible for its safe storage, handling, and use. CellBank Australia is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, CellBank Australia is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please refer to the MTA for further details regarding the use of this product. The MTA is also available on our Web site at www.cellbankaustralia.com

CellBank Australia
214 Hawkesbury Road
Westmead, NSW, 2145
Australia

P: +61 (0)2-8865-2850
F: +61 (0)2-9687-2120
www.cellbankaustralia.com
info@cellbankaustralia.com