



## Product Sheet

# ILB1-H67 (ATCC® HB-10222™)

### Please read this FIRST



### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

### Complete Growth Medium

The base medium for this cell line is HB101 medium (from Irvine Scientific). To make the complete growth medium, add fetal bovine serum to a final concentration of 7%. Alternately, cells may be grown on ATCC Hybri-Care Medium Catalog No. 46-X as the base medium. Hybri-Care Medium is supplied as a powder and should be reconstituted in 1 L cell-culture-grade water. It must be supplemented with 1.5 g/L sodium bicarbonate.

**CULTURE MEDIUM:** Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5g/L sodium bicarbonate, 4.5 g/L glucose, 10 mM sodium pyruvate, 90%; fetal bovine serum, 10%.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: ILB1-H67 (ATCC® HB-10222™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

**Organism:** *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)

**Isotype:** IgG2b; kappa light chain

**Cell Type:** hybridoma: B lymphocyte

**Morphology:** lymphoblast

**Growth Properties:** suspension

### Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

### SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

### Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

### Subculturing Procedure

**Medium Renewal:** Every 2 to 3 days

Cultures can be maintained by addition or replacement of fresh medium. Start cultures at  $2 \times 10^5$  cells/ml and maintain between  $1 \times 10^5$  and  $1 \times 10^6$  cells/ml.

### Comments

Animals were immunized with purified recombinant human IL-1 beta (170500 dalton form).

Spleen cells were fused with P3X63Ag8.653 myeloma cells.

The antibody reacts specifically with IL-1 beta and does not react with IL-1 alpha or with acidic or basic fibroblast growth factor.

It recognizes an epitope distinct from that bound by ILB1-H6 and ILB1-H34 (ATCC HB-10219 and ATCC HB-10221).

The affinity constant of ILB1-H67 was measured to be  $4.8 \times 10^{10}$  liter/mol.

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S.

Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

### ATCC Warranty

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers



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This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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