



# Mouse Anti-EBV particles Hybridoma [83B2] (CSC-H1427)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This hybridoma produces mAbs against EBV particles
<b>Target</b>	EBV particles
<b>Immunogen</b>	Epstein-barr virus (ebv) particles
<b>Species</b>	Microorganism
<b>Clone</b>	83B2
<b>Storage</b>	Liquid nitrogen vapor phase. Freezing medium: to complete growth medium(20%FBS), add 10%(v/v) DMSO
<b>Ship</b>	Dry Ice
<b>Immunological Donor</b>	BALB/c mouse spleen
<b>Cell Line Description</b>	Established by fusion of the P3X62AG8.653 mouse myeloma cell line with spleen cells of a BALB/c mouse immunized with Epstein-Barr virus (EBV) particles; cells produce a monoclonal antibody (igg1) that reacts with a viral envelope glycoprotein (350/220 kd) and that neutralizes EBV confirmed as mouse with IEF of AST, MDH, PEP B. . Viruses: ELISA: reverse transcriptase positive; PCR: SMRV
<b>Fusion Species</b>	Mouse X Mouse Hybridoma
<b>Growth Properties</b>	suspension
<b>Morphology</b>	single cells in suspension
<b>Propagation</b>	Complete culture medium: 90% RPMI 1640 + 10% h.i. FBS; at 37 centigrade with 5% CO2

<b>Culture Medium</b>	RPMI 1640, supplemented with 10%(v/v)FBS
<b>Subculturing</b>	Split ratio: 1:3 to 1: 5, every 2-3 days; seed out at $0.1-1.0 \times 10^6$ cells/ml; Harvest: maximal density of about $1.0-1.5 \times 10^6$ cells/ml.
<b>Mycoplasma</b>	Negative in DAPI, microbiological culture, RNA hybridization assays
<b>Preservation</b>	Frozen with 70% medium, 20% FBS, 10% DMSO at about $5 \times 10^6$ cells/ampoule
<b>Safety Considerations</b>	<p>The following safety precautions should be observed.</p> <ol style="list-style-type: none"> <li>1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum.</li> <li>2. No eating, drinking or smoking while handling the hybridoma.</li> <li>3. Wash hands after handling the hybridoma and before leaving the lab.</li> <li>4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma.</li> <li>5. All waste should be considered hazardous.</li> <li>6. Dispose of all liquid waste after each experiment and treat with bleach.</li> </ol>

## GENE INFORMATION

<b>References</b>	<p>1.Hoffman,G.J., Lazarowitz,S.G. &amp; Hayward,S.D. (1980). Monoclonal antibody against a 250,000-dalton glycoprotein of Epstein-Barr virus identifies a membrane antigen and a neutralizing antigen. Proc.Natl.Acad Sci U.S.A 77(5):2979-2983.</p>
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