ClonaCell™-HY Medium C

Hybridoma fusion recovery medium (serum-containing)

Catalog # 03803 100 mL

STEMCELL™ TECHNOLOGIES
Scientists Helping Scientists™ | WWW.STEMCELL.COM
TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

ClonaCell™-HY Medium C is a serum-containing liquid medium used to promote hybridoma viability and recovery after the fusion process (PEG-based or electrofusion) and prior to hypoxanthine, aminopterin, thymidine (HAT) selection. This medium has been verified for use in mouse and rat hybridoma development and reportedly is compatible for production of hybridomas using lymphocytes from a variety of host animals including human, mouse, rat, hamster, and rabbit.

Properties

Storage: Store at -20°C.

Shelf Life: Stable until expiry date (EXP) on label.

Contains:
- DMEM
- Pre-selected serum
- Gentamicin
- 2-Mercaptoethanol
- Phenol red
- L-Glutamine and other supplements
- Other ingredients

Handling / Directions For Use

1. Thaw ClonaCell™-HY Medium C at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix well.
   NOTE: Do not thaw ClonaCell™-HY Medium C in a 37°C water bath.
2. If ClonaCell™-HY Medium C is not used immediately, store at 2 - 8°C for up to 2 weeks. Alternatively, aliquot and store at -20°C until expiry date as indicated on the label.

For further information, refer to the Technical Manual: ClonaCell™-HY Hybridoma Cloning Kit (Document #28411), available at www.stemcell.com or contact us to request a copy.

References

Chen ZC et al. (2000) Genes coding evolutionary novel anti-carbohydrate antibodies: Studies on anti-Gal production in alpha 1,3galactosyltransferase knock out mice. Mol Immunol 37(8): 455–66.
Fang L et al. (2008) Essential role of TNF receptor superfamily 25 (TNFRSF25) in the development of allergic lung inflammation. J Exp Med 205(5): 1037–48.
Flyak AI et al. (2015) Mechanism of human antibody-mediated neutralization of Marburg virus. Cell 160(5): 893–903.
Holtsberg FW et al. (2016) Pan-ebolavirus and pan-filovirus mouse monoclonal antibodies: Protection against Ebola and Sudan viruses. J Virol 90(1): 266–278.
Kaabinejadian S et al. (2016) Immunodominant West Nile virus T cell epitopes are fewer in number and fashionably late. J Immunol 196(10): 4263–73.
Kuroki M et al. Preparation of human IgG and IgM monoclonal antibodies for MK-1/Ep-CAM by using human immunoglobulin gene-transferred mouse and gene cloning of their variable regions. Anticancer Res 25(6A): 3733–9.
Loveless BC et al. (2011) Structural characterization and epitope mapping of the glutamic acid/alanine-rich protein from Trypanosoma congolense: Defining assembly on the parasite cell surface. J Biol Chem 286(23): 20658–65.
Okai S et al. (2016) High-affinity monoclonal IgA regulates gut microbiota and prevents colitis in mice. Nat Microbiol 1(9): 16103.
Retamal M et al. (2014) Epitope mapping of the 2009 pandemic and the A/Brisbane/59/2007 seasonal (H1N1) influenza virus haemagglutinins using mAbs and escape mutants. J Gen Virol 95(11): 2377–89.

Smith SA et al. (2012) Persistence of circulating memory B cell clones with potential for Dengue virus disease enhancement for decades following infection. J Virol 86(5): 2665–75.
Spanier JA et al. (2016) Efficient generation of monoclonal antibodies against peptide in the context of MHCII using magnetic enrichment. Nat Commun 7: 11804.
Wang X et al. (2013) Generation and characterization of a unique reagent that recognizes a panel of recombinant human monoclonal antibody therapeutics in the presence of endogenous human IgG. MAbs 5(4): 540–54.
Wilson JR et al. (2016) An influenza A virus (H7N9) anti-neuraminidase monoclonal antibody with prophylactic and therapeutic activity in vivo. Antiviral Res 135: 48–55.
Wittman VP et al. (2006) Antibody targeting to a class I MHC-peptide epitope promotes tumor cell death. J Immunol 177(6): 4187–95.
Yew CW & Tan YJ. (2016) Generation of mouse monoclonal antibodies specific to chikungunya virus using ClonaCell-HY Hybridoma Cloning Kit. Methods Mol Biol 1426: 225–33.