



DATA SHEET

For research use only. Not for use in humans.

Reagent:	3T3-msCD40L Cells
Catalog Number:	ARP-12535
Lot Number:	190448
Release Category:	C
Provided:	Each vial of ARP-12535 contains approximately 10^6 cells in 0.8 mL of 90% DMEM with GlutaMAX containing 15% fetal bovine serum and 0.1% G418 (Geneticin). Post-thaw viability was 71%.
Cell Type:	ARP-12535 is a mouse fibroblast cell line that secretes CD40L.
Propagation Medium:	The recommended propagation medium is 90% DMEM with GlutaMAX containing 15% fetal bovine serum and 0.1% G418.
Freeze Medium:	The recommended freeze medium is Gibco Recovery Cell Culture Freezing Medium.
Growth Characteristics:	3T3-msCD40L cells are adherent and may be hard to resuspend for sub-culturing.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Description:	ARP-12535 is a mouse fibroblast cell line that secretes CD40L. 3T3-CD40L cells can be co-cultured with B cells to aid B cell expansion.
Special Characteristics:	ARP-12535 cells should be irradiated in advance so that the cells secrete mouse CD40L for B cell activation and die off.
Recommended Storage:	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
Contributor:	Dr. Mark Connors
Reference:	Huang, J., et al. "Isolation of Human Monoclonal Antibodies from Peripheral Blood B Cells." <i>Nat. Protoc.</i> 8 (2013): 1907-1915. PubMed: 24030440 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: 3T3-msCD40L Cells, ARP-12535, contributed by Dr. Mark Connors."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories</i> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm .
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