SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
info@creative-biolabs.com
macrophage.creative-biolabs.com

MacroCargo™ Mouse Bone Marrow-derived Macrophages (BMDM) with Anti-CD73 antibody (Viral System, Lentivirus)

Cat. No.: MTS-1222-YF129

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

Cell Properties

Product Overview	As a therapeutic tool, macrophage cell has a great capacity for delivering cargos be cause of their intrinsic characteristics. This product is engineered Mouse Bone Marr ow-derived Macrophages (BMDM) carried with Anti-CD73 antibody by Viral System- Lentivirus. MacroCargo™ products aim to improve the macrophage function and deli very of specific cargos. We also provide custom macrophage delivery systems base d on your specific requirements.
Cell Name	Bone Marrow-derived Macrophages (BMDM)
Cell Type	Primary Cell
Cell Species	Mouse
Cell Background	The broad use of transgenic and gene-targeted mice has established bone marrow- derived macrophages (BMDM) as important mammalian host cells for investigation o f the macrophages biology.

Cargo Properties

Cargo Type	Checkpoint antibody
Specific Cargo	Anti-CD73 antibody
Target Common Name	NT5E
Target Alternative Names	NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA
Target Full Name	5'-nucleotidase ecto
Introduction	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The e ncoded protein is used as a determinant of lymphocyte differentiation. Defects in thi s gene can lead to the calcification of joints and arteries. Two transcript variants en coding different isoforms have been found for this gene.
UniprotID	P21589
GeneID	4907

Cargo Delivery System Type	Viral System
Cargo Delivery Approach	Lentivirus

Product Properties

Applications	Enhance the immune system against cancer
References	Marin-Acevedo, Julian A., ErinMarie O. Kimbrough, and Yanyan Lou. "Next generation of immune checkpoint inhibitors and beyond." *Journal of hematology & oncology* 14 (2021): 1-29. Distributed under Open Access license CC BY 4.0, without modification.
Mycoplasma Testing	Negative
Sterility Testing	Negative
Shipping	Dry ice
Storage	Frozen cells should be stored in a liquid nitrogen tank (-150°C~-190°C) for long term.
Handling Notes	Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line. Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.
Restriction	Research use only