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™ Rat Alveolar Macrophages with SIGLEC7 gRNA (Viral System, lentivirus)

Cat. No.: MTS-1122-YF546

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 Rat Alveolar Macr ophages carried with SIGLEC7 gRNA by Viral System-lentivirus. MacroCargo™ prod ucts aim to improve the macrophage function and delivery of specific cargos. We als o provide custom macrophage delivery systems based on your specific requirement s.
Cell Name	Rat Alveolar Macrophages
Cell Type	Primary Cell
Cell Species	Rat
Cell Background	Alveolar macrophages (AM) are important in the regulation of immune responses in the lung, through their role as scavenger cells and through the production of many b ioactive factors.

Cargo Properties

Cargo Type	CRISPR KO
Specific Cargo	SIGLEC7 gRNA
Target Common Name	SIGLEC7
Target Alternative Names	p75; QA79; AIRM1; CD328; AIRM-1; CDw328; D-siglec; SIGLEC-7; SIGLECP2; SIG LEC19P; p75/AIRM1
Target Full Name	Sialic acid binding Ig like lectin 7
Introduction	Predicted to enable sialic acid binding activity. Predicted to be involved in cell adhe sion. Predicted to be integral component of plasma membrane. Predicted to be activ e in plasma membrane.
UniprotID	Q9Y286
GeneID	27036
Cargo Delivery System Typ e	Viral System

Cargo Delivery Approach	Lentivirus

Product Properties

Applications	Promote the macrophage capability to limit tumor growth
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 ter m.
Handling Notes	Frozen cells should be thawed immediately upon receipt and grown according to ha ndling 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 immediatel y upon receipt and grown according to handling procedure.
Restriction	Research use only