



CellFace™ Cell-Antibody (Anti-NCAM1) Conjugation

Cat. No.: CF-0922-ZP322

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Description

Employing live cells as therapeutics is a direction of future drug discovery. An easy and robust method to modify the surfaces of cells directly to incorporate novel functionalities is highly desirable. However, genetic methods for cell-surface engineering are laborious and limited by low efficiency for primary cell modification. Creative Biolabs has developed a single-step chemoenzymatic CellFace™ technology platform to transfer bio-macromolecules, such as an IgG antibody (MW~ 150 KD), to the glycocalyx on the surfaces of live cells. Requiring no genetic modification, our CellFace™ allows for any antibody to be conjugated to the stimulatory surface receptors of immune cells to yield the additive effect of superior tumor targeting to its already potent and off-the-shelf biologic drug payloads.

We applied CellFace™ to construct the CellFace™ cell-antibody conjugation (CAC). CellFace™ CAC can be prepared from multiple immune cells and stem cells, such as T cells, NK cells, macrophages, and mesenchymal stem cells. The modified CAC is expected to overcome the challenges that have prevented cell therapies from effectively targeting solid tumors.

Available Formats	CellFace™ T Cell-Antibody (Anti-NCAM1) Conjugation CellFace™ NK Cell-Antibody (Anti-NCAM1) Conjugation CellFace™ MA Cell-Antibody (Anti-NCAM1) Conjugation CellFace™ MSC Cell-Antibody (Anti-NCAM1) Conjugation CellFace™ HSC Cell-Antibody (Anti-NCAM1) Conjugation
Engineered Molecules	Antibody
Cell Type	T Cell; NK Cell; Macrophage; HSC; MSC; TIL; CIK; γδ T Cell; Treg; Dendritic Cell; Fibroblast; Chondrocyte; iPSC; B Cell
Application Notes	The CAC can be customized with both cell lines and primary cells according to customer needs. Please contact us for specific cells you needs.

Target

Target NCAM1

Official Name	NCAM1
Full Name	Neural cell adhesion molecule
Synonyms	NCAM1; CD56; MSK39; NCAM; neural cell adhesion molecule 1

Quality Control

Research Use Only	For research use only, not for diagnostic or therapeutic use.
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