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Metabolic programs drive function of therapeutic NK cells in hypoxic tumor environments

Science Advances

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OPEN ACCESS

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Protocol status: Working
We use this collection and it's working

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Abstract

A collection of protocols associated with the publication 'Metabolic programs drive function of therapeutic NK cells in hypoxic tumor environments' by Kennedy et al.

Files

SEARCH

Protocol

NAME

Degranulation and cytokine production (functional assay)

VERSION 1

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Protocol

NAME

Isolation of natural killer (NK) cells from human blood products

VERSION 2

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Protocol

NAME

Assessment of oxidative phosphorylation and glycolysis in NK cells (Seahorse assays)

VERSION 1

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Protocol

NAME

Expansion of NK cells on feeder cells

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Protocol

NAME

Quantification of synapse polarization ("the conjugate assay")

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Protocol

NAME

Proliferation assay

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OPEN →

Protocol

NAME

Mitochondrial staining of NK cells by flow cytometry

VERSION 1

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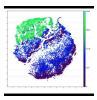
Protocol



NAME

Time of flight mass cytometry (CyTOF)

VERSION 1

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Protocol

NAME

Adhesion assay

VERSION 1

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OPEN →

Protocol

NAME

Cell line information

VERSION 4

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OPEN →

Protocol

NAME

Time-lapse killing assay (monolayer - IncuCyte)

VERSION 2

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Protocol

NAME

Confocal microscopy of intracellular components within NK cells

VERSION 1

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Protocol

NAME

Impedance (xCELLigence)

VERSION 1

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Protocol

NAME

Assessing IL-15 bioavailability ("the bioassay")

VERSION 1

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