

## Product datasheet

# C2C12 nuclear extract lysate ab14639

### Overview

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<b>Product name</b>	C2C12 nuclear extract lysate
<b>General notes</b>	Cell line: C2C12 (Mouse myoblast). We recommend aliquoting the extracts into single use fractions and then storing.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 20mM HEPES, 100mM Potassium Chloride, 1mM Magnesium Chloride, 0.5mM PMSF, 0.5mM DTT. pH 7.9
<b>Background</b>	C2C12 cells were originally obtained by Yaffe and Saxel (1977) through selective serial passage of myoblasts cultured from the thigh muscle of C3H mice 70 h after a crush injury. These cells were shown to be capable of differentiation. C2C12 cells are a useful model to study the differentiation of non-muscle cells to skeletal muscle cells (e.g myosin phosphorylation mechanisms) and express muscle proteins and the androgen receptor (AR).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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