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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

SANTA CRUZ BIOTECHNOLOGY, INC.

AML-193 Whole Cell Lysate: sc-364182

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. AML-193 Whole Cell Lysate is derived from the AML-193 cell line using a procedure that ensures protein integrity and lot-to-lot reproducibility. All lysates are tested by Western Blotting to assure that each one contains the expected concentration and assortment of proteins. Numerous antibodies directed against a wide array of mammalian proteins are used to test each lysate.

Interleukin-3 (IL-3) and granulocyte/macrophage colony stimulating factor (GM-CSF) act synergistically to stimulate growth of AML-193 cells. Granulocyte colony stimulating factor (G-CSF) also supports short term and long term growth of AML-193 cells and acts synergistically with GM-CSF in inducing proliferation of the cells.

REFERENCES

1. Lange, B., Valtieri, M., Santoli, D., Caracciolo, D., Mavilio, F., Gemperlein, I., Griffin, C., Emanuel, B., Finan, J. and Nowell, P. 1987. Growth factor requirements of childhood acute leukemia: establishment of GM-CSF-dependent cell lines. Blood 70: 192-199.
2. Santoli, D., Yang, Y.C., Clark, S.C., Kreider, B.L., Caracciolo, D. and Rovera, G. 1987. Synergistic and antagonistic effects of recombinant human interleukin (IL) 3, IL-1 α, granulocyte and macrophage colony-stimulating factors (G-CSF and M-CSF) on the growth of GM-CSF-dependent leukemic cell lines. J. Immunol. 139: 3348-3354.

SOURCE

AML-193 Whole Cell Lysate is derived from the AML-193 cell line.

Organism:	*Homo sapiens* (human)
Tissue:	Peripheral blood
Disease:	Acute monocytic leukemia
Cell Type:	Monocyte
Growth Properties:	Suspension

PRODUCT

Each vial contains 500 µg protein in 200 µl of an SDS-PAGE Western Blotting buffer, which consists of 100 µl RIPA Lysis Buffer and 100 µl Electrophoresis Buffer, 2X.

APPLICATIONS

AML-193 Whole Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50 µg (20 µl) per lane. Sample vial should be boiled once prior to use.

STORAGE

Store at -20° C; stable for one year from the date of shipment. Non-hazardous. No MSDS required. Minimize repeated freezing and thawing.

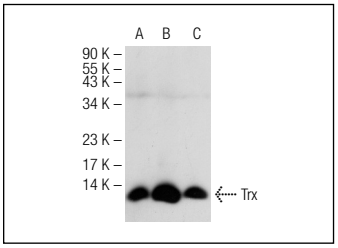
PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

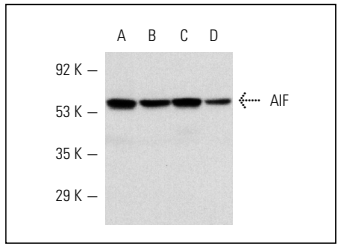
PREPARATION METHOD

Cells are cultured with appropriate media conditions and allowed to reach a confluency of 75%. Cells are lysed using the RIPA Lysis Buffer System (sc-24948). The BCA Protein Assay Kit (sc-202389) is used to determine the total protein concentration. The lysate is adjusted to contain 500 µg of total cellular protein in 100 µl before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 µg total protein in a final volume of 200 µl.

DATA



Trx (A-5): sc-166393. Western blot analysis of Trx expression in THP-1 (**A**), AML-193 (**B**) and BJAB (**C**) whole cell lysates.



AIF (H-300): sc-5586. Western blot analysis of AIF expression in AML-193 (**A**), CCRF-CEM (**B**), Hep G2 (**C**) and MOLT-4 (**D**) whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.