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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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TF-1 Cell Lysate: sc-2412

BACKGROUND

Santa Cruz Biotechnology Inc. offers whole cell lysates for use in combination with research antibodies as Western Blotting controls. TF-1 cells are a human bone marrow derived erythroblast-like myeloid progenitor isolated in 1987 from a 35-year-old Asian (Japanese) male exhibiting a profile of depleted platelets, erythrocytes and white blood cells (pancytopenia). TF-1 Cell Lysate is derived from cultured suspension TF-1 cells, using a preparation method (RIPA Lysis Buffer System (sc-24948), that ensures protein integrity and lot-to-lot reproducibility. Whole cell lysates are tested by Western Blotting in order to ensure each preparation contains a consistent concentration, and assortment of proteins.

REFERENCES

1. Drexler, H.G. and Quentmeier, H. 1996. Thrombopoietin: expression of its receptor MPL and proliferative effects on leukemic cells. *Leukemia* 10: 1405-1421.
2. Testa, U., et al. 1998. Terminal megakaryocytic differentiation of TF-1 cells is induced by phorbol esters and thrombopoietin and is blocked by expression of PML/RAR α fusion protein. *Leukemia* 12: 563-570.
3. Miura, Y., et al. 2001. Adhesion via CD43 induces Syk activation and cell proliferation in TF-1 cells. *Biochem. Biophys. Res. Commun.* 288: 80-86.
4. Lin, K.R., et al. 2007. Survival factor withdrawal-induced apoptosis of TF-1 cells involves a TRB2-Mcl-1 axis-dependent pathway. *J. Biol. Chem.* 282: 21962-21972.

SOURCE

TF-1 Cell Lysate is derived from the TF-1 cell line.

Organism: *Homo sapiens* (human)
 Source: Age 35, male, Asian (Japanese)
 Tissue of Origin: Bone marrow / erythroleukemia
 Cell Type: Erythroblast like myeloid progenitor
 Growth Properties: Suspension

PRODUCT

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

APPLICATIONS

TF-1 Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50 μ g (20 μ l) per lane. Sample vial should be boiled once prior to use.

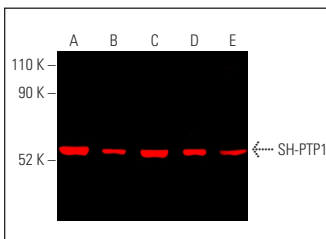
PREPARATION METHOD

TF-1 suspension cells are cultured with appropriate media conditions. Cells are lysed using the RIPA Lysis Buffer System (sc-24948). BCA Protein Assay is used to determine the total protein concentration. The lysate is adjusted to contain 500 μ g of total cellular protein in 100 μ l before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 μ g total protein in a final volume of 200 μ l.

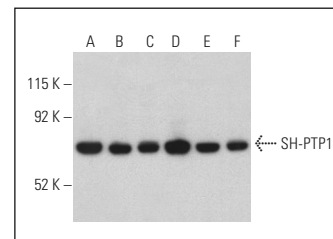
STORAGE

Store at -20 $^{\circ}$ C; stable for one year from the date of shipment. Non-hazardous. No MSDS required. Minimize repeated freezing and thawing.

DATA



SH-PTP1 (D-11): sc-7289. Near-Infrared western blot analysis of SH-PTP1 expression in HL-60 (A), U-937 (B), HEL 92.1.7 (C), TF-1 (D) and CCRF-CEM (E) whole cell lysates. Blocked with UltraCruz[®] Blocking Reagent: sc-516214. Detection reagent used: m-IgG₃ BP-CFL 790: sc-533678.



SH-PTP1 (D-11): sc-7289. Western blot analysis of SH-PTP1 expression in HEL 92.1.7 (A), TF-1 (B), CCRF-CEM (C), HL-60 (D), U-937 (E) and Raji (F) whole cell lysates. Detection reagent used: m-IgG₃ BP-HRP: sc-533670.

RESEARCH USE

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

PROTOCOLS

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