



MTCP-1 A (C-11): sc-23236

BACKGROUND

The mature T-cell proliferation 1 (MTCP-1) protein influences the leukemogenic process of mature T cell proliferation. Leukemic cells carrying a t(14;14)(q11;q32) chromosome translocation produce a gene product having sequence similarity with TCL1 and MTCP-1 oncoproteins. MTCP-1 encodes for a cytoplasmic 8 kD product. Alternative splicing yields a short form (A) and a long form (B).

REFERENCES

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2. Soulier, J., Madani, A., Cacheux, V., Rosenzweig, M., Sigaux, F. and Stern, M.H. 1994. The MTCP-1/c6.1B gene encodes for a cytoplasmic 8 kD protein overexpressed in T cell leukemia bearing a t(X;14) translocation. *Oncogene* 9: 3565-3570. PMID 7970717
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5. Fu, Z.Q., Du Bois, G.C., Song, S.P., Kulikovskaya, I., Virgilio, L., Rothstein, J.L., Croce, C.M., Weber, I.T. and Harrison, R.W. 1998. Crystal structure of MTCP-1: implications for role of TCL-1 and MTCP-1 in T cell malignancies. *Proc Natl Acad Sci U S A* 95: 3413-3418. PMID 9520380

SOURCE

MTCP-1 A (C-11) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of MTCP-1 A of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-23236 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

MTCP-1 A (C-11) is recommended for detection of MTCP-1 type A of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for MTCP-1 A siRNA (h): sc-106258, MTCP-1 A shRNA Plasmid (h): sc-106258-SH and MTCP-1 A shRNA (h) Lentiviral Particles: sc-106258-V.

Molecular Weight of MTCP-1 A: 8 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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