

CLLU1OS (T-12): sc-138208

BACKGROUND

Chronic lymphocytic leukemia (CLL) is an incurable disease characterized by the presence of small mature lymphocytes, intense accumulation of monoclonal B cells and a characteristic CD5 and CD19 co-expression phenotype. While the clinical course of CLL can be highly variable, a CLL specific protein known as CLLU1 (chronic lymphocytic leukemia up-regulated 1) is expressed in CLL patients, with high CLLU1 expression associated with shorter overall survival. Consisting of 121 amino acids, CLLU1 has been predicted to interact with interleukin 4 receptor (IL-4R) and is encoded by a gene located on human chromosome 12. CLLU1OS (chronic lymphocytic leukemia up-regulated 1 opposite strand) is a 101 amino acid protein encoded by a gene that maps to human chromosome 12q22.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CLLU1OS (human) mapping to 12q22.

RESEARCH USE

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

SOURCE

CLLU1OS (T-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of CLLU1OS of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-138208 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CLLU1OS (T-12) is recommended for detection of CLLU1OS of human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with CLLU1.

Suitable for use as control antibody for CLLU1OS siRNA (h): sc-96183, CLLU1OS shRNA Plasmid (h): sc-96183-SH and CLLU1OS shRNA (h) Lentiviral Particles: sc-96183-V.

Molecular Weight of CLLU1OS: 11 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.