

# CD5L (E-15): sc-104129

## BACKGROUND

CD5L (CD5 molecule-like), also known as API6, PRO229, Sp $\alpha$  or SP-ALPHA, is a 347 amino acid secreted protein that belongs to the scavenger receptor cysteine-rich (SRCR) family of leukocyte regulating proteins. Expressed in bone marrow, spleen, thymus, lymph node and fetal liver, CD5L is thought to be involved in regulating the immune system via binding to peripheral monocytes and mediating their activation and overall survival. CD5L has three cysteine-rich domains and, in addition to its role in the immune system, may function to inhibit apoptosis and promote macrophage survival.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CD5L (human) mapping to 1q23.1.

## SOURCE

CD5L (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CD5L of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-104129 P, (100  $\mu$ g 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.

## APPLICATIONS

CD5L (E-15) is recommended for detection of CD5L of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], 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); non cross-reactive with family member CD5.

Suitable for use as control antibody for CD5L siRNA (h): sc-88774, CD5L shRNA Plasmid (h): sc-88774-SH and CD5L shRNA (h) Lentiviral Particles: sc-88774-V.

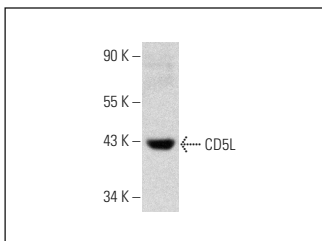
Molecular Weight of CD5L: 38 kDa.

Positive Controls: IMR-32 cell lysate: sc-2409 or HL-60 whole cell lysate: sc-2209.

## 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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<sup>™</sup> Mounting Medium: sc-24941.

## DATA



CD5L (E-15): sc-104129. Western blot analysis of CD5L expression in IMR-32 whole cell lysate.

## RESEARCH USE

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

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Try **CD5L (F-1): sc-514283** or **CD5L (F-10): sc-514281**, our highly recommended monoclonal alternatives to CD5L (E-15).