

## Bcl-8 (C-13): sc-167192

### BACKGROUND

Bcl-8 (B-cell CLL/lymphoma 8) is a 100 amino acid protein that is expressed in prostate and testis. The Bcl-8 family provides examples of both types of segmental duplication: interchromosomal and intrachromosomal. A chromosomal aberration involving Bcl-8 exists in diffuse large cell lymphoma (DLCL). The Bcl-8/IgH translocation leaves the coding region of Bcl-8 intact, but may have pathogenic effects due to alterations in the expression level of Bcl-8. The Bcl-8 gene is not normally expressed in lymphoid tissues, but its expression can be activated by chromosomal translocation or by other mechanisms in DLCL. The Bcl-8 gene maps to human chromosome 15q11.2. Translocations involving 15q11–13 also are found in non-lymphoid tumors. The 15q11–13 region is implicated in genomic imprinting and contains putative genes for the imprinting-related disorders, Prader-Willi syndrome and Angelman syndrome.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: BCL8 (human) mapping to 15q11.2.

### RESEARCH USE

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

### SOURCE

Bcl-8 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Bcl-8 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-167192 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

Bcl-8 (C-13) is recommended for detection of Bcl-8 of 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); non cross-reactive with other Bcl family members.

Suitable for use as control antibody for Bcl-8 siRNA (h): sc-90162, Bcl-8 shRNA Plasmid (h): sc-90162-SH and Bcl-8 shRNA (h) Lentiviral Particles: sc-90162-V.

Molecular Weight of Bcl-8: 11 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.

### 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](http://www.scbt.com) or our catalog for detailed protocols and support products.