

# CLEC-17A (C-15): sc-242457

## BACKGROUND

The C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily consists of a variety of proteins that share a common protein fold and have diverse functions, including cell-cell signaling, cell adhesion, glycoprotein turnover and immune responses. CLEC-17A (C-type lectin domain family 17, member A), also known as prolectin, is a 378 amino acid single-pass type II membrane protein that contains one C-type lectin domain and belongs to the CTL/CTLD superfamily. Existing as three alternatively spliced isoforms that are expressed dividing B-cells of germinal centers of spleen, lymph node, tonsil, intestine, appendix and stomach, CLEC-12B functions as a cell surface receptor that plays a role in carbohydrate-mediated communication between germinal center cells. Subject to post-translational phosphorylation, CLEC-17A is encoded by a gene that maps to human chromosome 19p13.12.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: CLEC17A (human) mapping to 19p13.12.

## SOURCE

CLEC-17A (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of CLEC-17A of human origin.

## STORAGE

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

## 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-242457 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

CLEC-17A (C-15) is recommended for detection of CLEC-17A 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).

CLEC-17A (C-15) is also recommended for detection of CLEC-17A in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for CLEC-17A siRNA (h): sc-97197, CLEC-17A shRNA Plasmid (h): sc-97197-SH and CLEC-17A shRNA (h) Lentiviral Particles: sc-97197-V.

Molecular Weight of CLEC-17A: 43/29/34 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.