

COLEC11 (P-16): sc-242495

BACKGROUND

COLEC11 (collectin sub-family member 11), also known as CLK1, CL-K1-I, MGC3279, CL-K1-II, CL-K1-IIa or CL-K1-IIb, is a 270 amino acid C-type lectin protein that contains a collagen-like domain and a carbohydrate recognition domain, and plays an important role in host-defense. COLEC11 binds to various sugars and LPS (lipopolysaccharides), which include fucose but does not bind to glucose, hnRNP, β -1,3-Gal-T3 or mannose. COLEC11 is ubiquitously expressed in most tissues with high expression in kidney, liver, fetal liver, small intestine, thymus, spinal cord, placenta, adrenal gland, pancreas and several cell lines. COLEC11 is a secreted protein and all alternatively spliced isoforms of COLEC11 have oligomeric structures created through disulfide bonding.

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CHROMOSOMAL LOCATION

Genetic locus: COLEC11 (human) mapping to 2p25.3; Colec11 (mouse) mapping to 12 A2.

SOURCE

COLEC11 (P-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of COLEC11 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-242495 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

COLEC11 (P-16) is recommended for detection of COLEC11 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); non cross-reactive with COLEC10.

Suitable for use as control antibody for COLEC11 siRNA (h): sc-94909, COLEC11 siRNA (m): sc-142479, COLEC11 shRNA Plasmid (h): sc-94909-SH, COLEC11 shRNA Plasmid (m): sc-142479-SH, COLEC11 shRNA (h) Lentiviral Particles: sc-94909-V and COLEC11 shRNA (m) Lentiviral Particles: sc-142479-V.

Molecular Weight of COLEC11: 29 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.

RESEARCH USE

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

PROTOCOLS

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