LECT2 (A-7): sc-398072

BACKGROUND
Leukocyte cell-derived chemotaxin 2 (LECT2) is a secreted protein with a neutrophil chemotactic activity. LECT2 is highly expressed in liver and shows diffuse immunostaining within the cytoplasm of hepatocytes. The LECT2 protein consists of 133 amino acids and three intramolecular disulfide bonds, and homologues of LECT2 have been widely identified in many vertebrates. LECT2 has a multifunctional role that extends from cell growth, differentiation, damage/repair process and carcinogenesis to autoimmune diseases. LECT2 expression is specifically induced in liver by β-catenin signaling. Serum LECT2 levels have been shown to increase in response to liver recovery, suggesting LECT2 may be used as a prognostic indicator.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: LECT2 (human) mapping to 5q31.1; Lect2 (mouse) mapping to 13 B1.

SOURCE
LECT2 (A-7) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 48-75 near the N-terminus of LECT2 of human origin.

PRODUCT
Each vial contains 200 µg IgGκ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-398072 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

APPLICATIONS
LECT2 (A-7) is recommended for detection of mature LECT2 and LECT2 precursor of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

Suitable for use as control antibody for LECT2 siRNA (h): sc-60928, LECT2 siRNA (m): sc-60929, LECT2 shRNA Plasmid (h): sc-60928-SH, LECT2 shRNA Plasmid (m): sc-60929-SH, LECT2 shRNA (h) Lentiviral Particles: sc-60928-V and LECT2 shRNA (m) Lentiviral Particles: sc-60929-V.

Molecular Weight of LECT2: 16 kDa.

Optimal results will be obtained when used as a primary antibody for Western Blotting. Suitable for use as control antibody for LECT2 siRNA (h): sc-60928, LECT2 siRNA (m): sc-60929, LECT2 shRNA Plasmid (h): sc-60928-SH and LECT2 shRNA (m) Lentiviral Particles: sc-60929-V.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:

DATA
LECT2 (A-7): sc-398072. Western blot analysis of LECT2 expression in non-transfected (A) and human LECT2 transfected (B) HEK293T whole cell lysates.

SELECT PRODUCT CITATIONS

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.