Mac-2BP (E-8): sc-374541

BACKGROUND

Mac-2BP (Mac-2-binding protein), also known as LGALS3BP (lectin, galactoside-binding, soluble, 3 binding protein), 90K or BTBD17B, is a 585 amino acid protein that is secreted into the extracellular matrix and contains one SRCR domain, one BTB (POZ) domain and one BACK domain. Expressed ubiquitously, Mac-2BP exists as both a homodimer and a homomultimer and functions to promote Integrin-mediated cell adhesion, possibly playing a role in the stimulation of host defenses against tumor cells and viruses. Mac-2BP levels are elevated in HIV-infected hosts, further implicating Mac-2BP in immune system function. The gene encoding Mac-2BP maps to human chromosome 17q25.3, which comprises over 2.5% of the human genome and encodes over 1,200 genes.

CHROMOSOMAL LOCATION

Genetic locus: LGALS3BP (human) mapping to 17q25.3; Lgals3bp (mouse) mapping to 11E2.

SOURCE

Mac-2BP (E-8) is a mouse monoclonal antibody raised against amino acids 84-383 mapping within an internal region of Mac-2BP of human origin.

PRODUCT

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

Mac-2BP (E-8) is available conjugated to agarose (sc-374541 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-374541 HRP), 200 µg/ml, for WB, IHC) and ELISA; to either phycoerythrin (sc-374541 PE), fluorescein (sc-374541 FITC), Alexa Fluor® 488 (sc-374541 AF488), Alexa Fluor® 546 (sc-374541 AF546), Alexa Fluor® 594 (sc-374541 AF594) or Alexa Fluor® 647 (sc-374541 AF647), 200 µg/ml, for WB (RGB), IF, IHC (P) and FCM; and to either Alexa Fluor® 680 (sc-374541 AF680) or Alexa Fluor® 790 (sc-374541 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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APPLICATIONS

Mac-2BP (E-8) is recommended for detection of Mac-2BP 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of Mac-2BP: 90 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210, RAW 264.7 whole cell lysate: sc-2211 or 3611-RF whole cell lysate: sc-2215.

RECOMMENDED SUPPORT REAGENTS

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

1. Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.
2. Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA

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.

PROTOCOLS

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