**follistatin (C-8): sc-365003**

**BACKGROUND**

Follistatin is a high affinity binding protein of activin originally isolated for their role in regulating the release of follicle-stimulating hormone (FSH). Follistatin forms a group of interrelated factors with activins and inhibins, members of the transforming growth factor-β (TGFβ) superfamily. Activin, follistatin and activin receptors are expressed in many tissues where they function as autocrine/paracrine regulators of a variety of physiological processes including reproduction. Follistatin is an important regulator of pituitary FSH secretion.

**CHROMOSOMAL LOCATION**

Genetic locus: FST (human) mapping to 5q11.2; Fst (mouse) mapping to 13 D2.2.

**SOURCE**

follistatin (C-8) is a mouse monoclonal antibody raised against amino acids 231-344 mapping at the C-terminus of follistatin of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2b Kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

follistatin (C-8) is available conjugated to agarose (sc-365003 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365003 HRP), 200 µg/ml, for WB, HICP and ELISA; to either phycoerythrin (sc-365003 PE), fluorescein (sc-365003 FITC), Alexa Fluor® 488 (sc-365003 AF488), Alexa Fluor® 546 (sc-365003 AF546), Alexa Fluor® 594 (sc-365003 AF594) or Alexa Fluor® 647 (sc-365003 AF647), 200 µg/ml, for WB (RGB), IF, HICP and FCM; and to either Alexa Fluor® 680 (sc-365003 AF680) or Alexa Fluor® 790 (sc-365003 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

follistatin (C-8) is recommended for detection of follistatin isoforms 1-3 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 follistatin siRNA (h): sc-39762, follistatin siRNA (m): sc-39783, follistatin shRNA Plasmid (h): sc-39782-SH, follistatin shRNA Plasmid (m): sc-39763-SH, follistatin shRNA (h) Lentiviral Particles: sc-39762-V and follistatin shRNA (m) Lentiviral Particles: sc-39763-V.

Molecular Weight of follistatin: 35-70 kDa.

Positive Controls: follistatin (h): 293T Lysate: sc-159980 or COLO 205 whole cell lysate: sc-364117.

**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.

**DATA**

**SELECT PRODUCT CITATIONS**


**PROTOCOLS**

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

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