EMILIN (elastin microfibril interface located protein) is an extracellular matrix glycoprotein that localizes to sites where elastin and microfibrils are in proximity. EMILIN protein is abundant in elastin-rich tissues such as blood vessels, skin, heart, and lung. EMILIN-1 influences placenta formation and initial organogenesis and a later role in interstitial connective tissue.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: EMILIN1 (human) mapping to 2p23.3; Emilin1 (mouse) mapping to 5 B1.

SOURCE
EMILIN-1 (C-6) is a mouse monoclonal antibody raised against amino acids 187-266 mapping within an internal region of EMILIN-1 of human origin.

PRODUCT
Each vial contains 200 µg IgG κ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.
EMILIN-1 (C-6) is available conjugated to agarose (sc-365737 AC), 500 µg/mL agarose in 1 ml, for WB, IHCP and ELISA; to either phycoerythrin (sc-365737 PE), fluorescein (sc-365737 FITC), Alexa Fluor® 488 (sc-365737 AF488), Alexa Fluor® 546 (sc-365737 AF546), Alexa Fluor® 594 (sc-365737 AF594) or Alexa Fluor® 647 (sc-365737 AF647), 200 µg/mL, for WB (RGB), IF, IHCP and FCM; and to either Alexa Fluor® 680 (sc-365737 AF680) or Alexa Fluor® 790 (sc-365737 AF790), 200 µg/mL, for Near-Infrared (NIR) WB, IF and FCM.

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

APPLICATIONS
EMILIN-1 (C-6) is recommended for detection of EMILIN-1 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).

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ HRP: sc-516102 or m-IgGκ 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 agrose/2.0 ml). 3) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Hard-set Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA
EMILIN-1 expression in Hep G2 (A), SK-N-MC (B) and A-10 (C) whole cell lysates.

Molecular Weight of EMILIN-1: 115 kDa.

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

PROTOCOLS
See our website at www.scbt.com for detailed protocols and support products.

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