EMMPRIN (8D6): sc-21746

BACKGROUND
Extracellular matrix metalloproteinase inducer (EMMPRIN), also designated basigin or CD147, is involved in the regulation of matrix remodeling at the epidermal-dermal interface. EMMPRIN stimulates the production of interstitial collagenase, gelatinase A, stromelysin-1 and various metalloproteinases (MMPs) by fibroblasts. These enzymes, which are typically increased during tissue degradation and wound healing, are important factors in cancer invasion and metastasis.

CHROMOSOMAL LOCATION
Genetic locus: BSG (human) mapping to 19p13.3.

SOURCE
EMMPRIN (8D6) is a mouse monoclonal antibody raised against human T-cell leukemic cell line, Peer.

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. EMMPRIN (8D6) is available conjugated to agarose (sc-21746 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-21746 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-21746 PE), fluorescein (sc-21746 FITC), Alexa Fluor® 488 (sc-21746 AF488), Alexa Fluor® 546 (sc-21746 AF546), Alexa Fluor® 594 (sc-21746 AF594) or Alexa Fluor® 647 (sc-21746 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-21746 AF680) or Alexa Fluor® 790 (sc-21746 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

APPLICATIONS
EMMPRIN (8D6) is recommended for detection of EMMPRIN of human origin by Western Blotting (starting dilution 1:200, 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 flow cytometry (1 µg per 1 x 10⁶ cells).

Suitable for use as control antibody for EMMPRIN siRNA (h): sc-35298, EMMPRIN shRNA Plasmid (h): sc-35298-SH and EMMPRIN shRNA (h) Lentiviral Particles: sc-35298-V.

Molecular Weight of EMMPRIN: 55 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, Jurkat whole cell lysate: sc-2204 or HuT 78 whole cell lysate: sc-2208.

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