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.

REFERENCES

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 IgG κ 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; and to either phycoerythrin (sc-21746 PE), fluorescein (sc-21746 FITC), Alexa Fluor® 488 (sc-21746 AF488) or Alexa Fluor® 647 (sc-21746 AF647), 200 µg/ml, for IF, IHC(P) 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 10^6 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 yasate: sc-2227, Jurkat whole cell lysate:sc-2204 or HuT 78 whole cell lysate: sc-2208.

Select PRODUCT Citations

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