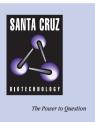
SANTA CRUZ BIOTECHNOLOGY, INC.

EMMPRIN (OX47): sc-53065



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

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CHROMOSOMAL LOCATION

Genetic locus: Bsg (rat) mapping to 7q11.

STORAGE

Store at 4° C, **D0 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.

SOURCE

EMMPRIN (OX47) is a mouse monoclonal antibody raised against T blasts from a mixed lymphocyte reaction.

PRODUCT

Each vial contains 200 μg lgG_1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as phycoerythrin (sc-53065 PE) or fluorescein (sc-53065 FITC) conjugates for flow cytometry, 100 tests.

APPLICATIONS

EMMPRIN (0X47) is recommended for detection of EMMPRIN of rat origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 μ g per 1 x 10⁶ cells).

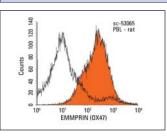
Suitable for use as control antibody for: CD8- α .

Molecular Weight of EMMPRIN: 55 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



EMMPRIN (0X47): sc-53065. Indirect FCM analysis of rat peripheral blood leukocytes stained with EMMPRIN (0X47), followed by PE-conjugated goat anti-mouse IgG: sc-3738. Black line histogram represents the iso-type control, normal mouse IgG₁: sc-3877.

PROTOCOLS

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