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β -defensin 1 (m): 293T Lysate: sc-119734

BACKGROUND

β -defensins (also designated BD, and hBD in human) are small cationic peptides with broad-spectrum antimicrobial activity. Produced in mucosal epithelia and neutrophils of several species, β -defensins are developmentally regulated. Research indicates that human β -defensin 1 may contribute to the antimicrobial activity of airway surface fluid and may play a role in the mucosal defenses of the lung. Human β -defensin 1 shares homology with other β -defensins from human blood filtrate and is also present in nanomolar concentrations in human plasma. In addition to the antimicrobial activity of human airway epithelia, β -defensin 1 may play a role in the mucosal defenses of the lung.

REFERENCES

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8. Jia, H.P., et al. 2001. Abundant human β -defensin 1 expression in milk and mammary gland epithelium. *J. Pediatr.* 138: 109-112.
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CHROMOSOMAL LOCATION

Genetic locus: Defb1 (mouse) mapping to 8 A2.

PRODUCT

β -defensin 1 (m): 293T Lysate represents a lysate of mouse β -defensin 1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

β -defensin 1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive β -defensin 1 antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

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