**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. Human β-defensin 2 is locally regulated by inflammation and is the first member of the β-defensin family that is locally inducible by inflammation. The murine homolog of human β-defensin 2, which is called β-defensin 3, is present in the respiratory system and in low levels in the epithelial cells of the intestine and lung. The unique murine β-defensin 2 (Defβ2) is not expressed in airways of untreated mice, but is upregulated in the airways by lipopolysaccharide and may contribute to host defense at the mucosal surface of the airways.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: DEFB103A (human) mapping to 8p23.1.

**SOURCE**

β-defensin 3 (L3-18b-E1) is a mouse monoclonal antibody raised against amino acids 6-22 of β-defensin 3 of human origin.

**PRODUCT**

Each vial contains 50 µg IgG κ kappa light chain in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

β-defensin 3 (L3-18b-E1) is recommended for detection of β-defensin 3 of human origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for β-defensin 3 siRNA (h): sc-43723, β-defensin 3 siRNA Plasmid (h): sc-43723-SH and β-defensin 3 siRNA (h) Lentiviral Particles: sc-43723-V.

Molecular Weight of β-defensin 3: 5 kDa.

**STORAGE**

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

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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

**PROTOCOLS**

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