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Datasheet for ABIN116503 **anti-DEFB103A antibody (Biotin)**

Overview

Quantity:	25 µg
Target:	DEFB103A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DEFB103A antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	E.coli derived recombinant Human Beta Defensin-3.
Specificity:	This antibody reacts with Human BD3 (Defensin beta 3). Other species not tested.
Purification:	Affinity Chromatography

Target Details

Target:	DEFB103A
Alternative Name:	Defensin beta 3 (DEFB103A Products)
Background:	Beta Defensin 3 exhibits antimicrobial activity against Gram-positive bacteria <i>S.aureus</i> and <i>S.pyogenes</i> , Gram-negative bacteria <i>P.aeruginosa</i> and <i>E.coli</i> and the yeast <i>C.albicans</i> . It kills multiresistant <i>S.aureus</i> and vancomycin-resistant <i>E.faecium</i> , but it appears to have no significant hemolytic activity. Beta Defensin 3 is highly expressed in skin and tonsils, and to a lesser extent in trachea, uterus, kidney, thymus, adenoid, pharynx and tongue. Low expression is

Target Details

observed in salivary gland, bone marrow, colon, stomach, polyp and larynx, with no expression in small intestine. Expression is induced by infection of bacteria and by interferon gamma. Beta Defensin 3 belongs to the beta-defensin family. Synonyms: BD3, Beta-defensin 103, DEFB103, DEFB103A, DEFB103B, DEFB3, Defensin beta 103, Defensin-like protein, HBD3, HBP3

Gene ID: 414325

NCBI Accession: [NP_001075020](#)

UniProt: [P81534](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: ELISA: Direct: To detect Human BD-3 by direct ELISA (using 100 µL/well antibody solution) this antibody can be used at a concentration of 1.0 µg/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-3. Sandwich: To detect Human BD-3 by Sandwich ELISA (using 100 µL/well antibody solution) this antibody can be used at a concentration of 0.25-1.0 µg/mL. This biotinylated antibody, used in conjunction with polyclonal anti-human BD-3, allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-3. Western blot: To detect Human BD-3 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hBD-3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL

Buffer: BPS, pH 7.2 without preservatives

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Handling

Storage Comment: Prior to reconstitution store at 2-8 °C. Following reconstitution store the antibody at -20 °C.