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Datasheet for ABIN116505 **anti-DEFB103A antibody**

Overview

Quantity:	50 µg
Target:	DEFB103A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DEFB103A antibody is un-conjugated
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 employing immobilized Human BD-3 matrix

Target Details

Target:	DEFB103A
Alternative Name:	Defensin beta 3 (DEFB103A Products)
Background:	Beta Defensin 3 exhibits antimicrobial activity against Gram-positive bacteria S.aureus and S.pyogenes, Gram-negative bacteria P.aeruginosa and E.coli and the yeast C.albicans. It kills multiresistant S.aureus and vancomycin-resistant E.faecium, 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: Indirect ELISA: To detect Human BD-3 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. This Antibody in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human BD-3. Sandwich ELISA: To detect Human BD-3 by Sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. Antibody PP1229P, in conjunction with biotinylated anti-Human BD-3 (PP1229B1 and PP1229B1), 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. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human BD-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 with sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

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

8 °C for one month or (in aliquots) at -20 °C for longer.