DEFB3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BD3 (Defb3), Polyclonal Antibody
Full Product Name	BD3 (beta Defensin-3)
Product Gene Name	anti-Defb3 antibody
Product Synonym Names	Anti -BD3 (beta Defensin-3)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.02% sodium azide.
Purity/Purification	Affinity Purified Purified by affinity chromatography.
Specificity	Recognizes aa23-33, GIINTLQKYYC of human BD3.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	7,126 Da
Chromosome Location	Chromosome: 8; NC_000074.5 (19293361..19295339). Location: 8; 8
3D Structure	ModBase 3D Structure for Q9WTL0
Immunogen	5-kD human beta-defensin-3 protein.
Product Categories/Family for anti-Defb3 antibody	Antibodies; Abs to Defensin
Applications Tested/Suitable for anti-Defb3 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-Defb3 antibody	Suitable for use in Western Blot and ELISA. Dilution: Western Blot: 1:500-1:1000
Related Product Information for anti-Defb3 antibody	A novel, nonhemolytic antimicrobial peptide (human beta-defensin-3, BD3) was isolated from human lesional psoriatic scales and cloned from keratinocytes. BD3 demonstrated a salt-insensitive broad spectrum of potent antimicrobial activity against many potentially pathogenic microbes including multiresistant S. aureus and vancomycin-resistant Enterococcus faecium. Keratinocytes and airway epithelial cells are cellular sources of BD3. Tumor necrosis factor alpha and contact with bacteria were found to induce BD3 mRNA expression. BD3 therefore might be important in the innate epithelial defense of infections by various microorganisms seen in skin and lung, such as cystic brosis.
Other Notes	Small volumes of anti-Defb3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Defb3 purchase	MBS619628 is an antibody targeting Defb3. Also known as BD3 (beta Defensin-3). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Defb3. It may not necessarily be applicable to this product.

NCBI GI #	7304997
NCBI GeneID	27358
NCBI Accession #	NP_038784.1
UniProt Primary Accession #	Q9WTL0
UniProt Secondary Accession #	Q29R78
UniProt Related Accession #	Q9WTL0
GenBank Nucleotide #	NM_013756.2
NCBI Official Full Name	beta-defensin 3
NCBI Official Synonym Full Names	defensin beta 3
NCBI Official Symbol	Defb3
NCBI Official Synonym Symbols	BD-3; MGC129397
UniProt Protein Name	Beta-defensin 3
UniProt Synonym Protein Names	Defensin, beta 3
Protein Family	Beta-defensin
UniProt Gene Name	Defb3
UniProt Synonym Gene Names	Bd3
UniProt Entry Name	DEFB3_MOUSE
NCBI Protein Information	beta-defensin 3; OTTMUSP00000022575
UniProt Comments for Defb3	Function: Antimicrobial activity against Gram-negative bacteria E.coli and P.aeruginosa. Ref.1 Subcellular location: Secreted. Tissue specificity: Highest expression in salivary glands, epididymis, ovary and pancreas and to a lesser extent in lung, liver and brain. Low or no expression in skeletal muscle and tongue. Ref.1 Ref.3 Induction: By bacterial infection. Ref.1 Sequence similarities: Belongs to the beta-defensin family. LAP/TAP subfamily.
Research Articles on Defb3	**1.** Mouse beta-defensin 3 was strongly up-regulated in colonic epithelium of 15 (but not 5) week-old IL-2(-/-) mice and in dextran-sulfate-induced chronic (but not acute) colitis, but not in IL-2(+/-) 15-week-old mice.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/bd3/619628