BD4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BD4, Polyclonal Antibody
Full Product Name	BD4 (beta Defensin-4) (Glycerol Free)
Product Synonym Names	Anti -BD4 (beta Defensin-4) (Glycerol Free)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, 0.1% BSA.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes mouse defensin-4. Species Sequence Homology: No significant homology exists with human beta-defensins-4 or other defensins.
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.
Immunogen	An 11aa peptide sequence near N-terminus of mature defensin-4. (KLH).
Product Categories/Family for anti-BD4 antibody	Antibodies; Abs to Defensin
Applications Tested/Suitable for anti-BD4 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-BD4 antibody	Suitable for use in ELISA and Western Blot. Dilution: Western Blot: 1-10ug/ml using ECL. ELISA: 0.5-1ug/ml. Control peptide (B0903-20) can be used to coat ELISA plates at 1ug/ml.
Related Product Information for anti-BD4 antibody	Antimicrobial peptides are a common mechanism of host defense utilized by a variety of species, from insects to humans. Defensins are a large family of broad-spectrum antimicrobial peptides, identified originally in leukocytes of rabbits and humans. Defensins, cationic/polar peptides (30-35aa; 3-4kD), are distinguished by a conserved tri-disulfides and a largely beta-Sheet structure. Defensins, expressed at the cell surface, have been hypothesized to function as a biochemical barrier against microbial infection by inhibiting colonization of the epithelium by wide range of pathogenic microorganisms. In leukocytes, these peptides are stored in cytoplasmic granules and are released into phagolysosomes where they contribute to the killing of engulfed microorganisms. The genes encoding human alpha- and beta-defensins are clustered in a contiguous segment of chromosome 8p23. Defensins are classified into two families designated alpha- and beta- based on distinctive, although similar, tri-disulfide linkages in the peptides. beta-defensins are slightly larger and differ in the position and arrangement of 3 disulfides. In humans, six alpha-defensin (cryptidins), HD 1-6 (HD1-4 are also known as HNP1-4 for Human Neutrophil Peptides), and two beta-defensins, HBD-1 and HBD-2, have been identified to date. Rat (RBD-1 and RBD-2) and mouse (MBD1-4) homologues of the human beta-defensin have also been identified.
Other Notes	Small volumes of anti-BD4 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 BD4 purchase	MBS615815 is an antibody targeting BD4. Also known as BD4 (beta Defensin-4) (Glycerol Free). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BD4. It may not necessarily be applicable to this product.

NCBI GI #	348591849
NCBI Accession #	CCC15012.1
NCBI Official Full Name	big defensin BD4
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