

# Rabbit anti-Human BD-1/beta-Defensin 1 mAb (CAP)

**Catalog No.: RM17923**

## Basic Information

**Catalog No.**  
RM17923

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2µm filtered solution in PBS with 0.05% ProClin 300, PH 7.8.

## Contact

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## Background

Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The  $\alpha$ -defensins are distinguished from the  $\beta$ -defensins by the pairing of their three disulfide bonds. To date, four human  $\beta$ -defensins have been identified; BD-1, BD-2, BD-3 and BD-4.  $\beta$ -defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they are chemoattractant towards immature dendritic cells and memory T cells. The  $\beta$ -defensin proteins are expressed as the C-terminal portion of precursors and are released by proteolytic cleavage of a signal sequence and, in the case of BD-1 (36 a.a.), a propeptide region.  $\beta$ -defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds.  $\beta$ -Defensins are 3-5 kDa peptides ranging in size from 33-47 amino acid residues.

## Immunogen Information

**Immunogen**  
Recombinant Human BD-1/beta-Defensin 1

## Cross-Reactivity

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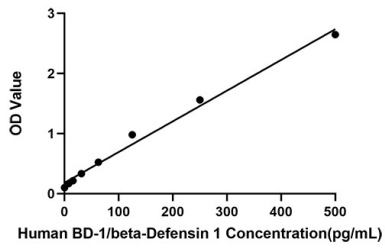
## Assay Applications

Human BD-1 Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2µg/mL	Rabbit anti-Human BD-1 mAb(CAP)(Cat. No.RM17923)
ELISA Detection	0.006-0.0.025µg/mL	Rabbit anti-Human BD-1 mAb(DET)(Cat. No.RM17924)
Standard	15.63-1000pg/mL	Recombinant Mouse IL-10 Protein

## Validation Data

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This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.