

## ARG80903 Human BD2 / beta Defensin 2 ELISA kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80903 Human BD2 / beta Defensin 2 ELISA kit is a Enzyme Immunoassay kit for the quantification of Human BD2 / beta Defensin 2 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with BD-1 (36 aa), BD-1 (47 aa), BD-3, BD-4.
Target Name	BD2 / beta Defensin 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	4 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Beta-defensin 4; BNBD-4; BNDB-4; DEFB4; BNBD4

### Application Instructions

Assay Time	4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	DEFB4A
Gene Full Name	defensin, beta 4A
Background	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. Beta Defensin 2 is an antibiotic peptide which is locally regulated by inflammation. [provided by RefSeq, Jul 2008]
Function	Beta Defensin 2 exhibits antimicrobial activity against Gram-negative bacteria and Gram-positive bacteria. May act as a ligand for C-C chemokine receptor CCR6. Can bind to both human and mouse

CCR6 and induce chemotactic activity of CCR6-expressing cells (PubMed:20068036). [UniProt]

#### Highlight

Related products:

[beta Defensin2 antibodies](#); [beta Defensin2 ELISA Kits](#);

Related news:

[New MMP7 \(total or active\) ELISA kits are released](#)

New ELISA data calculation tool:

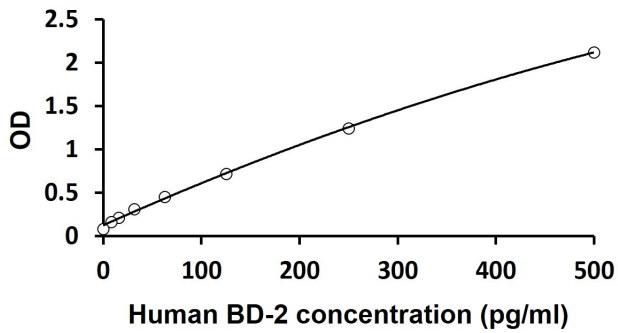
[Simplify the ELISA analysis by GainData](#)

#### Research Area

Microbiology and Infectious Disease kit

## Images

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ARG80903 Human BD2 / beta Defensin 2 ELISA kit standard curve image

ARG80903 Human BD2 / beta Defensin 2 ELISA kit results of a typical standard run with optical density reading at 450 nm.