

ARG80905 Human BD-1 / beta Defensin-1 ELISA kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG80905 Human BD-1 / beta Defensin-1 ELISA kit is a Enzyme Immunoassay kit for the quantification of Human BD-1 / beta Defensin-1 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with BD-2, BD-3, BD-4.
Target Name	BD1 / beta Defensin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.8 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	1.56 - 100 pg/ml
Sample Volume	100 µl
Precision	CV: less than10%
Alternate Names	DEFB-1; Defensin, beta 1; HBD1; hBD-1; BD1; Beta-defensin 1; DEFB101; BD-1

Application Instructions

Assay Time	4 hours
------------	---------

Properties

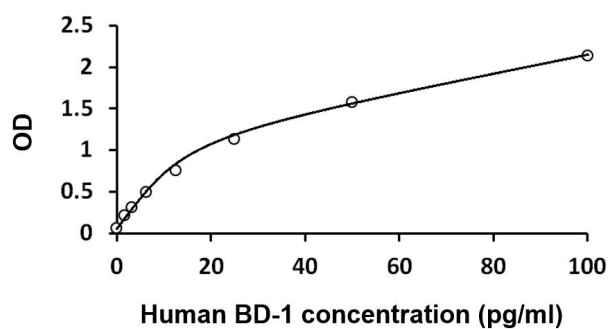
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	DEFB1
Gene Full Name	defensin, beta 1
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 1 is an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. [provided by RefSeq, Jul 2008]

Function	Beta Defensin 1 has bactericidal activity. May act as a ligand for C-C chemokine receptor CCR6. Positively regulates the sperm motility and bactericidal activity in a CCR6-dependent manner. Binds to CCR6 and triggers Ca ²⁺ mobilization in the sperm which is important for its motility (PubMed:25122636). [UniProt]
Highlight	<p>Related products: beta Defensin1 antibodies; beta Defensin1 ELISA Kits;</p> <p>Related news: New MMP7 (total or active) ELISA kits are released</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Microbiology and Infectious Disease kit

Images



ARG80905 Human BD-1 / beta Defensin-1 ELISA Kit standard curve image

ARG80905 Human BD-1 / beta Defensin-1 ELISA kit results of a typical standard run with optical density reading at 450 nm.