

Human Beta-defensin 4A ELISA Kit | DEFB4A elisa kit

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CATALOG #
AAA101889

REACTIVITY
Human

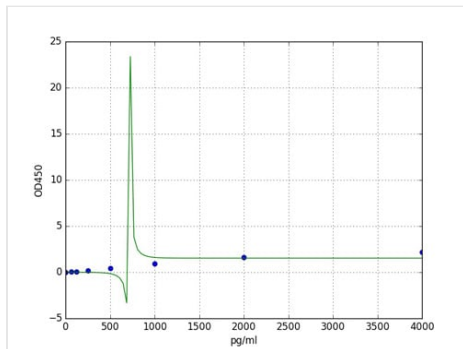
PRODUCT SYNONYMS

Beta-defensin 4A; Human Beta-defensin 4A ELISA Kit; DEFb2/DEFB2 (Defensin Beta 2)/DEFB4A (Beta-defensin 4A)/DEFB102/DEFB4/SAP1/BD-2/hBD-2/Skin-antimicrobial peptide 1/Beta-defensin 2/Defensin; beta 2/DEFB4B/HBD-2/SAP-1/DEFB-2/DEFB4beta-defensin 4A/Defensin; beta 2Skin-antimicrobial peptide 1/defensin; beta 4/defensin; beta 4A/SAP1BD-2; DEFB4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	64
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Human DEFB2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.042	0.109	0.172	0.305	0.558	0.915	1.749	3.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFB4A elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human DEFBeta2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human DEFBeta2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human DEFBeta2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human DEFBeta2can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826692
NCBI GeneID	1673
NCBI Accession #	NP_004933.1
NCBI GenBank Nucleotide #	NM_004942.3
Molecular Weight	7,038 Da
NCBI Official Full Name	beta-defensin 4A
NCBI Official Synonym Full Names	defensin beta 4A
NCBI Official Symbol	DEFB4A
NCBI Official Synonym Symbols	BD-2; SAP1; DEFB2; DEFB4; HBD-2; DEFB-2; DEFB102
NCBI Protein Information	beta-defensin 4A
UniProt Protein Name	Beta-defensin 4A
UniProt Gene Name	DEFB4A
UniProt Synonym Gene Names	DEFB102; DEFB2; DEFB4; BD-2; hBD-2; SAP1
UniProt Entry Name	DFB4A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/defb4a-human-elisa-kits/beta-defensin-4a/101889>