

Mouse Beta-defensin 2 ELISA Kit | Defb2 elisa kit

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CATALOG #
AAA17684

REACTIVITY
Mouse

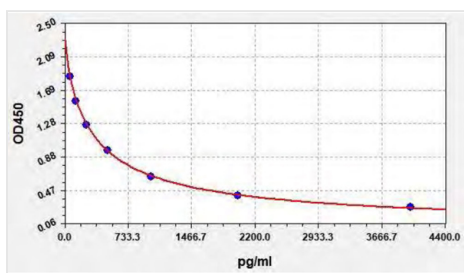
PRODUCT SYNONYMS

Beta-defensin 2; Mouse Beta-defensin 2 ELISA Kit; Defb2/BD-2/DEFB2/DEFB4A/DEFB4B/HBD-2/SAP-1/Beta-defensin 2/DEFB-2/DEFB2DEFB102/DEFB4beta-defensin 4A/Defensin; beta 2Skin-antimicrobial peptide 1/defensin; beta 4/defensin; beta 4A/HBD-2/hBD-2/SAP1BD-2; Defb2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Defb2, no obvious cross reaction with other analogues
Sequence Length	64
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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)

ADDITIONAL INFORMATION

Related Product Information for Defb2 elisa kit	Background: beta-defensin-2 (HbetaD-2) is a small cysteine-rich cationic skin-antimicrobial peptide (SAP) produced by a number of epithelial cells.beta-defensin-2 has antimicrobial activity against gram-negative bacteria and Candida, but not gram-positive Staphylococcus aureus. beta-defensin-2 can be used for the study of colitis. Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with Defb2. During the reaction, Defb2 in the sample or standard competes with a fixed amount of Defb2 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Defb2. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of Defb2 in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3510600
NCBI GeneID	1673
Molecular Weight	7,038 Da
NCBI Official Full Name	beta-defensin 2
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.