

Mouse beta Defensins ELISA Kit | BDF elisa kit

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CATALOG #
AAA16291

REACTIVITY
Mouse

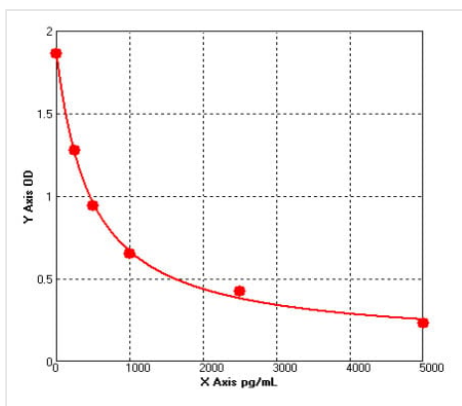
PRODUCT SYNONYMS

beta Defensins; Mouse beta Defensins ELISA Kit; Mouse b Defensins ELISA Kit; BDF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BDEF. No significant cross-reactivity or interference between BDEF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BDEF and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BDF elisa kit	Principle of the Assay: BDEF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BDEF antibody and an BDEF-HRP conjugate. The assay sample and buffer are incubated together with BDEF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BDEF concentration since BDEF from samples and BDEF-HRP conjugate compete for the anti-BDEF antibody binding site. Since the number of sites is limited, as more sites are occupied by BDEF from the sample, fewer sites are left to bind BDEF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BDEF concentration in each sample is interpolated from this standard curve. Intended Uses: This BDEF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BDEF. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for BDF elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	125656159
NCBI GeneID	414325
NCBI Accession #	NP_001075020.1
NCBI GenBank Nucleotide #	NM_001081551.3
Molecular Weight	7,697 Da
NCBI Official Full Name	beta-defensin 103
NCBI Official Synonym Full Names	defensin, beta 103A
NCBI Official Symbol	DEFB103A
NCBI Official Synonym Symbols	BD-3; HBD3; HBP3; DEFB3; HBP-3; hBD-3; DEFB-3; DEFB103
NCBI Protein Information	beta-defensin 103; beta-defensin 3; defensin, beta 3; defensin, beta 103; defensin-like protein
UniProt Protein Name	Beta-defensin 103
UniProt Gene Name	DEFB103A
UniProt Synonym Gene Names	BD3; DEFB103; DEFB3 DEFB103B ; BD-3; DEFB-3; HBD3; hBD-3
UniProt Entry Name	D103A_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/bdf-mouse-elisa-kits/beta-defensins/16291>