

Human beta Defensin 3 ELISA Kit | DEFb3 elisa kit

Human beta Defensin 3 ELISA Kit

CATALOG #
AAA16559

REACTIVITY
Human

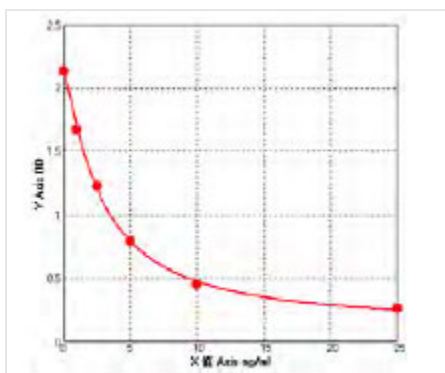
PRODUCT SYNONYMS

beta Defensin 3; Human beta Defensin 3 ELISA Kit; Human b Defensin 3 ELISA Kit; DEFb3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BDEF3. No significant cross-reactivity or interference between BDEF3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BDEF3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFb3 elisa kit	Intended Uses: This BDEF3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BDEF3. This ELISA kit for research use only! Principle of the Assay: BDEF3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BDEF3 antibody and an BDEF3-HRP conjugate. The assay sample and buffer are incubated together with BDEF3-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 BDEF3 concentration since BDEF3 from samples and BDEF3-HRP conjugate compete for the anti-BDEF3 antibody binding site. Since the number of sites is limited, as more sites are occupied by BDEF3 from the sample, fewer sites are left to bind BDEF3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BDEF3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DEFb3 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	209572853
Molecular Weight	7,408 Da
NCBI Official Full Name	Defensin-B3
UniProt Protein Name	Defensin-B3
UniProt Gene Name	DefB3
UniProt Synonym Gene Names	OaDefB3
UniProt Entry Name	DEFB3_ORNAN

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.