

Mouse alpha Defensin-4 (NP-4) ELISA Kit | DEFA4 elisa kit

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CATALOG #
AAA246231

REACTIVITY
Mouse

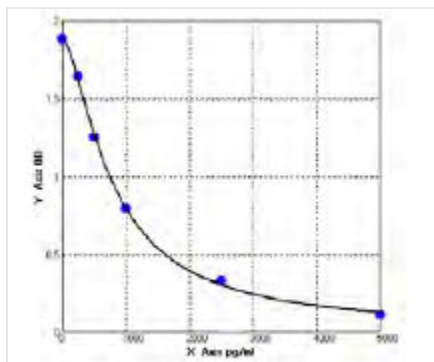
PRODUCT SYNONYMS

alpha Defensin-4 (NP-4); Mouse alpha Defensin-4 (NP-4) ELISA Kit; DEFA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NP4. No significant cross-reactivity or interference between NP4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NP4 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	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 DEFA4 elisa kit	Intended Uses: This NP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NP4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: NP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NP4 antibody and an NP4-HRP conjugate. The assay sample and buffer are incubated together with NP4-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 NP4 concentration since NP4 from samples and NP4-HRP conjugate compete for the anti-NP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by NP4 from the sample, fewer sites are left to bind NP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NP4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DEFA4 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753626
NCBI GeneID	13238
NCBI Accession #	NP_034169.1
NCBI GenBank Nucleotide #	NM_010039.1
Molecular Weight	10,272 Da
NCBI Official Full Name	alpha-defensin 4
NCBI Official Synonym Full Names	defensin, alpha, 4
NCBI Official Symbol	Defa4
NCBI Official Synonym Symbols	Crp4; Defa28; Defcr4
NCBI Protein Information	alpha-defensin 4; alpha-defensin, 28; defensin, alpha, 28; defensin related cryptdin 4; defensin-related cryptdin-4
UniProt Protein Name	Alpha-defensin 4
UniProt Gene Name	Defa4
UniProt Synonym Gene Names	Defcr4
UniProt Entry Name	DEFA4_MOUSE

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/defa4-mouse-elisa-kits/alpha-defensin-4-np-4/246231>