

Mouse Defensin Alpha 3, Neutrophil Specific (DEFa3) ELISA Kit | DEFa3 elisa kit

Mouse Defensin Alpha 3, Neutrophil Specific (DEFa3)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150927	REACTIVITY Mouse	APPLICATIONS ELISA
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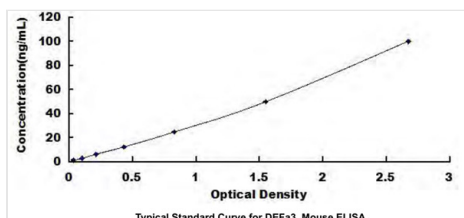
PRODUCT SYNONYMS

Defensin Alpha 3; Neutrophil Specific (DEFa3); Mouse Defensin Alpha 3; Neutrophil Specific (DEFa3)(Sandwich ELISA) ELISA Kit; ELISA Kit for Defensin Alpha 3; DEFa3/Defensin Alpha 3; Neutrophil Specific; HNP3; DEF3; HNP-2; Neutrophil defensin 2; DEFa3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFa3. No significant cross-reactivity or interference between DEFa3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Applicable Applications for DEFa3 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFa3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DEFa3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFa3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DEFa3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DEFa3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DEFa3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of DEFa3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DEFa3 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for DEFa3 elisa kit	Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	268607652
NCBI GeneID	23855
NCBI Accession #	NP_001161262.1
NCBI GenBank Nucleotide #	NM_001167790.1
UniProt Accession #	P28310; Q499K7; Q64016
Molecular Weight	10,528 Da
NCBI Official Full Name	alpha-defensin 17 preproprotein
NCBI Official Synonym Full Names	defensin, alpha, 17
NCBI Official Symbol	Defa17
NCBI Official Synonym Symbols	Cryp17; Defcr17; AU014719
NCBI Protein Information	alpha-defensin 17; cryptdin 17; crypt defensin 17; defensin-related cryptdin-17
UniProt Protein Name	Alpha-defensin 3
UniProt Gene Name	Defa3
UniProt Synonym Gene Names	Defcr3
UniProt Entry Name	DEFA3_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/mouse-elisa-kits/defensin-alpha-3-neutrophil-specific-defa3/150927>