

Human Defensin Alpha 4, Corticostatin (DEFa4) ELISA Kit | DEFa4 elisa kit

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CATALOG #
AAA186503

REACTIVITY
Human

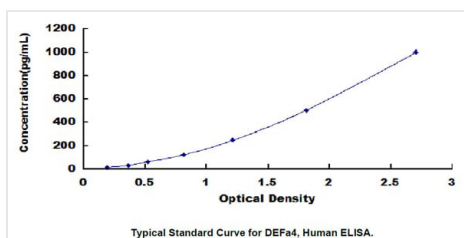
PRODUCT SYNONYMS

Defensin Alpha 4; Corticostatin (DEFa4); Human Defensin Alpha 4; Corticostatin (DEFa4) ELISA Kit; DEF4; HP-4; HNP-4; Neutrophil defensin 4; DEFa4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFa4. No significant cross-reactivity or interference between DEFa4 and analogues was observed.
Sequence Length	97
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFa4 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 DEFa4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 DEFA4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DEFA4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DEFA4. 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 DEFA4, 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 ± 10nm. The concentration of DEFA4 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 DEFA4 in human serum, plasma, tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50057841
NCBI GeneID	1669
UniProt Accession #	P12838; Q6EZF8
Molecular Weight	10,504 Da
NCBI Official Full Name	defensin, alpha 4, corticostatin
NCBI Official Synonym Full Names	defensin alpha 4
NCBI Official Symbol	DEFA4
NCBI Official Synonym Symbols	HP4; DEF4; HP-4; HNP-4
NCBI Protein Information	neutrophil defensin 4
UniProt Protein Name	Neutrophil defensin 4
UniProt Gene Name	DEFA4
UniProt Synonym Gene Names	DEF4; HP-4

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/human-elisa-kits/defensin-alpha-4-corticostatin-defa4/186503>