

Dog Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit | IL1RA elisa kit

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CATALOG #
AAA183147

REACTIVITY
Dog

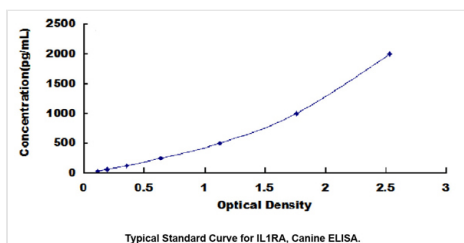
PRODUCT SYNONYMS

Interleukin 1 Receptor Antagonist (IL1RA); Dog Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit; IL1RN; IL1-RA; ICIL1RA; IL1ra3; IL1F3; IRAP;IL-1RA; Interleukin-1 Family Member 3; IL1 inhibitor; Anakinra; IL1RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of IL1RA. No significant cross-reactivity or interference between IL1RA and analogues was observed.
Sequence Length	177
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 11.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL1RA 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 IL1RA 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 IL1RA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL1RA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL1RA. 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 IL1RA, 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 IL1RA 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 IL1RA in canine serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	186386
NCBI GeneID	3557
UniProt Accession #	P18510; Q14628; Q53SC2; Q7RTZ4; Q96GD6; Q9UPC0; A8K4G1
Molecular Weight	16,142 Da
NCBI Official Full Name	interleukin 1 receptor antagonist
NCBI Official Synonym Full Names	interleukin 1 receptor antagonist
NCBI Official Symbol	IL1RN
NCBI Official Synonym Symbols	DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA
NCBI Protein Information	interleukin-1 receptor antagonist protein
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP

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/dog-elisa-kits/interleukin-1-receptor-antagonist-il1ra/183147>