

Sheep Interleukin 1 Receptor antagonist ELISA Kit | IL1RA elisa kit

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CATALOG #
AAA92454

REACTIVITY
Sheep

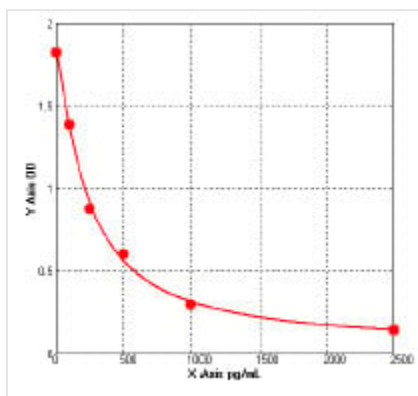
PRODUCT SYNONYMS

Interleukin 1 Receptor antagonist; Sheep Interleukin 1 Receptor antagonist ELISA Kit; IL1RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-1RA. No significant cross-reactivity or interference between IL-1RA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-1RA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 IL1RA elisa kit	Principle of the Assay: IL-1RA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-1RA antibody and an IL-1RA-HRP conjugate. The assay sample and buffer are incubated together with IL-1RA-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 IL-1RA concentration since IL-1RA from samples and IL-1RA-HRP conjugate compete for the anti-IL-1RA antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-1RA from the sample, fewer sites are left to bind IL-1RA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-1RA concentration in each sample is interpolated from this standard curve. Intended Uses: This IL-1RA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL-1RA. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for IL1RA elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	186386
NCBI GeneID	3557
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; IL1 inhibitor; IL1RN (IL1F3); type II interleukin-1 receptor antagonist; intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra)
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP
UniProt Entry Name	IL1RA_HUMAN

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.