

Canine Soluble Interleukin 2a receptor ELISA Kit | IL-2sRa elisa kit

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CATALOG #
AAA88387

REACTIVITY
Canine

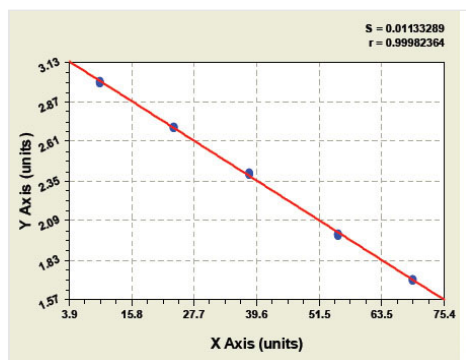
PRODUCT SYNONYMS

Soluble Interleukin 2a receptor; Canine Soluble Interleukin 2a receptor ELISA Kit; IL-2sRa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This IL-2sRalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-2sRalpha. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-2sRa elisa kit

Principle of the Assay: IL-2sRalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-2sRalpha antibody and an IL-2sRalpha-HRP conjugate. The assay sample and buffer are incubated together with IL-2sRalpha-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-2sRalpha concentration since IL-2sRalpha from samples and IL-2sRalpha-HRP conjugate compete for the anti-IL-2sRalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-2sRalpha from the sample, fewer sites are left to bind IL-2sRalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-2sRalpha concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119606818
NCBI GeneID	3559
Molecular Weight	30,819 Da
NCBI Official Full Name	interleukin 2 receptor, alpha, isoform CRA_a, partial
NCBI Official Synonym Full Names	interleukin 2 receptor, alpha
NCBI Official Symbol	IL2RA
NCBI Official Synonym Symbols	p55; CD25; IL2R; TCGFR; IDDM10
NCBI Protein Information	interleukin-2 receptor subunit alpha; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2RA
UniProt Synonym Gene Names	IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_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.