

Bovine Interleukin-2 receptor ELISA Kit | IL-2R elisa kit

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CATALOG #
AAA89141

REACTIVITY
Bovine

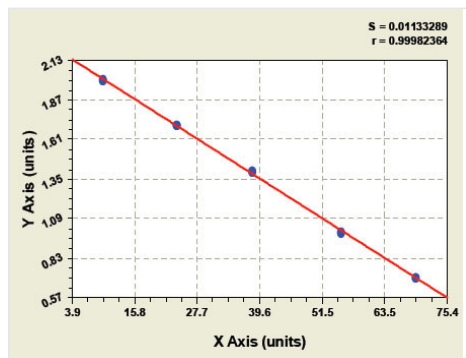
PRODUCT SYNONYMS

Interleukin-2 receptor; Bovine Interleukin-2 receptor ELISA Kit; IL-2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/ml
Sensitivity	1.0pg/ml
Intended Uses	This IL-2R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine IL-2R. 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-2R elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	554168
Molecular Weight	30,723 Da
NCBI Official Full Name	interleukin 2 receptor, partial
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2ra
UniProt Synonym Gene Names	IL2r; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/il-2r-bovine-ovine-elisa-kits/interleukin-2-receptor/89141>