

Bovine Interleukin 2 ELISA Kit | IL2 elisa kit

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CATALOG #
AAA88039

REACTIVITY
Bovine

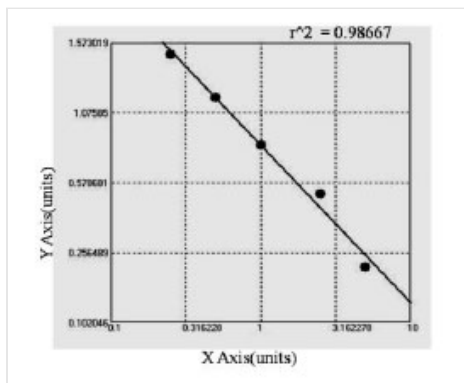
PRODUCT SYNONYMS

Interleukin 2; Bovine Interleukin 2 ELISA Kit; IL2 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2 elisa kit

Intended Uses: This IL-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine IL-2. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	512412
NCBI GeneID	3558
Molecular Weight	17,628 Da
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
NCBI Protein Information	interleukin-2; aldesleukin; T cell growth factor; involved in regulation of T-cell clonal expansion
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_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.

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Online datasheet: <https://www.aaabiotech.com/il2-bovine-ovine-elisa-kits/interleukin-2/88039>