

Sheep Interleukin 2 ELISA Kit | IL2 elisa kit

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CATALOG #
AAA88716

REACTIVITY
Sheep

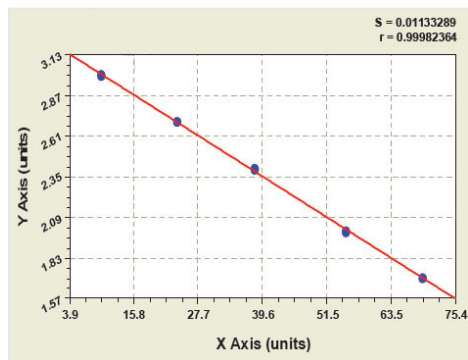
PRODUCT SYNONYMS

Interleukin 2; Sheep Interleukin 2 ELISA Kit; IL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 IL2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL2. 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 IL2 elisa kit

Principle of the Assay: IL2 ELIS A kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL2 antibody and an IL2-HRP conjugate. The assay sample and buffer are incubated together with IL2-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 IL2 concentration since IL2 from samples and IL2-HRP conjugate compete for the anti-IL2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL2 from the sample, fewer sites are left to bind IL2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL2 concentration in each sample is interpolated from tins 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://stage.aaabiotech.com/il2-sheep-elisa-kits/interleukin-2/88716>