

Bovine Interleukin 2 ELISA Kit | IL-2 elisa kit

Bovine Interleukin 2 (IL-2) ELISA Kit

CATALOG #
AAA55361

REACTIVITY
Bovine

PRODUCT SYNONYMS

Interleukin 2; Bovine Interleukin 2 (IL-2) ELISA Kit; IL-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine IL2. No significant cross-reactivity or interference between Bovine IL2 and analogues was observed.
Sequence Length	153
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL-2 elisa kit

Interleukin 2 (IL-2) is a pleiotropic cytokine produced primarily by mitogen- or antigen-activated T lymphocytes. IL-2 plays a key role in promoting the clonal expansion of antigen-specific T cells. In addition, IL-2 has also been shown to mediate multiple immune responses on a variety of cell types.

IL-2 stimulates the proliferation of thymocytes; stimulates the proliferation and differentiation of activated B cells; promotes the growth, differentiation and cytotoxic activity of monocytes; induces the growth of and cytokine production and cytolytic activity by natural killer cells; enhances the production of lymphocyte-activated killer (LAK) cells; and induces the proliferation and differentiation of oligodendrocytes .

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL2 in samples. An antibody specific for IL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[379991150](#)

NCBI GeneID	280822
NCBI Accession #	NP_851340.2
NCBI GenBank Nucleotide #	NM_180997.2
UniProt Accession #	P05016; Q5QT38; Q8HYR7; A0MZP6; A9QWQ6
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
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; IL-2; TCGF

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/il-2-bovine-ovine-elisa-kits/interleukin-2/55361>