

Sheep Interleukin 15 ELISA Kit | IL-15 elisa kit

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CATALOG #
AAA89251

REACTIVITY
Sheep

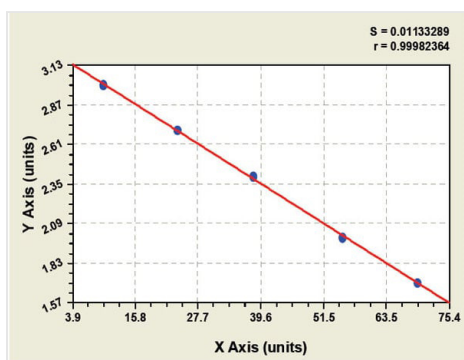
PRODUCT SYNONYMS

Interleukin 15; Sheep Interleukin 15 ELISA Kit; IL-15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-15 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This IL-15 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL-15. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY IL-15 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-15 antibody and an IL-15-HRP conjugate. The assay sample and buffer are incubated together with IL-15-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-15 concentration since IL-15 from samples and IL-15-HRP conjugate compete for the anti-IL-15 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-15 from the sample, fewer sites are left to bind IL-15-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-15 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680407
NCBI GeneID	16168
NCBI Accession #	NP_032383.1
NCBI GenBank Nucleotide #	NM_008357.2
Molecular Weight	18,593 Da
NCBI Official Full Name	interleukin-15
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15; AI503618
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_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.