

## Sheep Leptin ELISA Kit | Leptin elisa kit

Sheep Leptin ELISA Kit

CATALOG #  
**AAA16996**

REACTIVITY  
**Sheep**

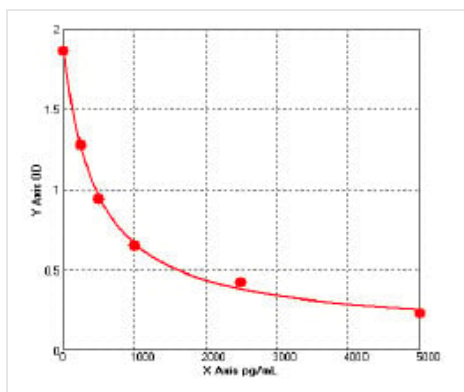
### PRODUCT SYNONYMS

Leptin; Sheep Leptin ELISA Kit; Leptin elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of LEP. No significant cross-reactivity or interference between LEP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LEP and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| 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 Leptin elisa kit | <p>Principle of the Assay: LEP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LEP antibody and an LEP-HRP conjugate. The assay sample and buffer are incubated together with LEP-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 LEP concentration since LEP from samples and LEP-HRP conjugate compete for the anti-LEP antibody binding site. Since the number of sites is limited, as more sites are occupied by LEP from the sample, fewer sites are left to bind LEP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LEP concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This LEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep LEP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for Leptin elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                         |
|----------------------------------|-------------------------|
| NCBI GI #                        | 148233267               |
| NCBI GeneID                      | 734226                  |
| NCBI Accession #                 | NP_001089183.1          |
| NCBI GenBank Nucleotide #        | NM_001095714.1          |
| NCBI Official Full Name          | leptin                  |
| NCBI Official Synonym Full Names | leptin<                 |
| NCBI Official Symbol             | lep                     |
| NCBI Official Synonym Symbols    | ob; xlep                |
| NCBI Protein Information         | leptin; obesity homolog |

**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.