

## Sheep UL16 Binding protein 4 ELISA Kit | ULBP4 elisa kit

Sheep UL16 Binding protein 4 ELISA Kit

CATALOG #  
**AAA93963**

REACTIVITY  
**Sheep**

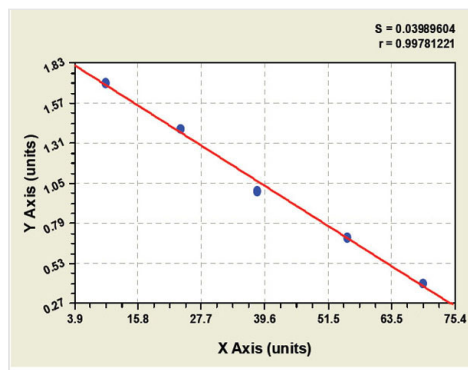
### PRODUCT SYNONYMS

UL16 Binding protein 4; Sheep UL16 Binding protein 4 ELISA Kit; ULBP4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 2.5-50ng/mL                                                                                                                                                                              |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                                 |
| Intended Uses           | This ULBP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ULBP4. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ULBP4 elisa kit | <b>Principle of the Assay:</b> ULBP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ULBP4 antibody and an ULBP4-HRP conjugate. The assay sample and buffer are incubated together with ULBP4-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 ULBP4 concentration since ULBP4 from samples and ULBP4-HRP conjugate compete for the anti-ULBP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ULBP4 from the sample, fewer sites are left to bind ULBP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ULBP4 concentration in each sample is interpolated from this standard curve. |
| Product Categories/Family for ULBP4 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 31322668                                                                                |
| NCBI GeneID                      | 135250                                                                                  |
| Molecular Weight                 | 23,978 Da                                                                               |
| NCBI Official Full Name          | ULBP4                                                                                   |
| NCBI Official Synonym Full Names | retinoic acid early transcript 1E                                                       |
| NCBI Official Symbol             | RAET1E                                                                                  |
| NCBI Official Synonym Symbols    | RL-4; LETAL; ULBP4; N2DL-4; NKG2DL4; RAET1E2; bA350J20.7                                |
| NCBI Protein Information         | NKG2D ligand 4; RAE-1-like transcript 4; lymphocyte effector toxicity activation ligand |
| UniProt Protein Name             | NKG2D ligand 4                                                                          |
| UniProt Gene Name                | RAET1E                                                                                  |
| UniProt Synonym Gene Names       | LETAL; N2DL4; ULBP4; UNQ1867/PRO4303; N2DL-4; NKG2DL4; RL-4                             |
| UniProt Entry Name               | N2DL4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/ulbp4-sheep-elisa-kits/ul16-binding-protein-4/93963>