

## Sheep Interleukin 5 ELISA Kit | IL-5 elisa kit

Sheep Interleukin 5 ELISA Kit

CATALOG #  
**AAA101620**

REACTIVITY  
**Sheep**

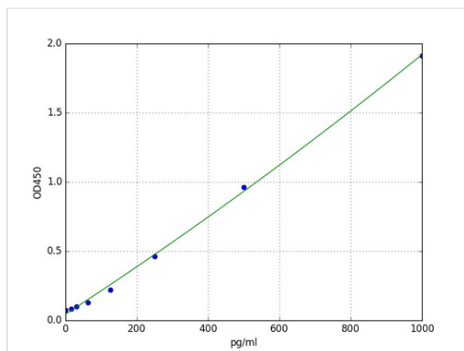
### PRODUCT SYNONYMS

Interleukin 5; Sheep Interleukin 5 ELISA Kit; IL-5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                        |
| Sequence Length         | 134                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                             |
| Sensitivity             | 9.375pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Sheep IL-5 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | pg/ml | 0     | 15.6  | 31.2  | 62.5  | 125   | 250   | 500   | 1000  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.011 | 0.037 | 0.064 | 0.114 | 0.220 | 0.432 | 1.017 | 1.989 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL-5 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Sheep IL-5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Sheep IL-5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Sheep IL-5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Sheep IL-5 can be calculated.

### NCBI AND UNIPROT INFORMATION

NCBI GI #

4504671

|                                  |                |
|----------------------------------|----------------|
| NCBI GeneID                      | 3567           |
| NCBI Accession #                 | NP_000870.1    |
| NCBI GenBank Nucleotide #        | NM_000879.2    |
| Molecular Weight                 | 15,238 Da      |
| NCBI Official Full Name          | interleukin-5  |
| NCBI Official Synonym Full Names | interleukin 5  |
| NCBI Official Symbol             | IL5            |
| NCBI Official Synonym Symbols    | EDF; TRF; IL-5 |
| NCBI Protein Information         | interleukin-5  |
| UniProt Protein Name             | Interleukin-5  |
| UniProt Gene Name                | IL5            |
| UniProt Synonym Gene Names       | IL-5; TRF      |
| UniProt Entry Name               | IL5_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/il-5-sheep-elisa-kits/interleukin-5/101620>