

## Sheep Total Epidermal Growth Factor ELISA Kit | EGF elisa kit

Sheep Total Epidermal Growth Factor ELISA Kit

CATALOG #  
**AAA91045**

REACTIVITY  
**Sheep**

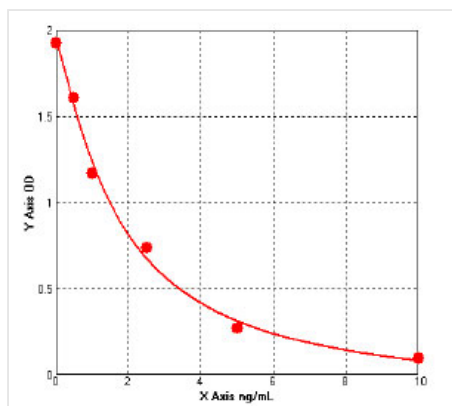
### PRODUCT SYNONYMS

Total Epidermal Growth Factor; Sheep Total Epidermal Growth Factor ELISA Kit; EGF elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of EGF. No significant cross-reactivity or interference between EGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EGF and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for EGF elisa kit | <p>Intended Uses: This EGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of SheepEGF. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: EGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EGF antibody and an EGF-HRP conjugate. The assay sample and buffer are incubated together with EGF-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 EGF concentration since EGF from samples and EGF-HRP conjugate compete for the anti-EGF antibody binding site. Since the number of sites is limited, as more sites are occupied by EGF from the sample, fewer sites are left to bind EGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGF concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for EGF elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503705                                                                                        |
| NCBI GeneID                      | 2252                                                                                           |
| NCBI Accession #                 | NP_002000.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_002009.3                                                                                    |
| Molecular Weight                 | 11,520 Da                                                                                      |
| NCBI Official Full Name          | fibroblast growth factor 7                                                                     |
| NCBI Official Synonym Full Names | fibroblast growth factor 7                                                                     |
| NCBI Official Symbol             | FGF7                                                                                           |
| NCBI Official Synonym Symbols    | KGF; HBGF-7                                                                                    |
| NCBI Protein Information         | fibroblast growth factor 7; FGF-7; keratinocyte growth factor; heparin-binding growth factor 7 |
| UniProt Protein Name             | Fibroblast growth factor 7                                                                     |
| UniProt Gene Name                | <b>FGF7</b>                                                                                    |
| UniProt Synonym Gene Names       | KGF; FGF-7; HBGF-7                                                                             |
| UniProt Entry Name               | FGF7_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.

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Online datasheet: <https://stage.aaabiotech.com/egf-sheep-elisa-kits/total-epidermal-growth-factor/91045>