

## Goat Interleukin 8 ELISA Kit | IL-8 elisa kit

Goat Interleukin 8 ELISA Kit

CATALOG #  
**AAA88872**

REACTIVITY  
**Goat**

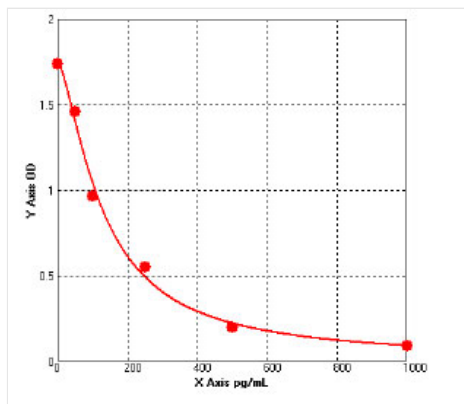
### PRODUCT SYNONYMS

Interleukin 8; Goat Interleukin 8 ELISA Kit; IL-8 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IL-8. No significant cross-reactivity or interference between IL-8 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-8 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Sequence Length         | 101                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative 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-8 elisa kit | <p>Intended Uses: This IL-8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat IL-8. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: IL-8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-8 antibody and an IL-8-HRP conjugate. The assay sample and buffer are incubated together with IL-8-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-8 concentration since IL-8 from samples and IL-8-HRP conjugate compete for the anti-IL-8 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-8 from the sample, fewer sites are left to bind IL-8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-8 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for IL-8 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                               |                |
|-------------------------------|----------------|
| NCBI GI #                     | 74136483       |
| NCBI GeneID                   | 613028         |
| NCBI Accession #              | NP_001028137.1 |
| NCBI GenBank Nucleotide #     | NM_001032965.1 |
| UniProt Accession #           | P67813; P51495 |
| Molecular Weight              | 11,320 Da      |
| NCBI Official Full Name       | interleukin-8  |
| NCBI Official Symbol          | CXCL8          |
| NCBI Official Synonym Symbols | IL8            |
| NCBI Protein Information      | interleukin-8  |
| UniProt Protein Name          | Interleukin-8  |
| UniProt Gene Name             | CXCL8          |
| UniProt Synonym Gene Names    | IL8; IL-8      |
| UniProt Entry Name            | IL8_MACMU      |

**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/il-8-goat-elisa-kits/interleukin-8/88872>