

## Human IL32 ELISA Kit | IL32 elisa kit

Human IL32 ELISA Kit

CATALOG #  
AAA258417

REACTIVITY  
Human

### PRODUCT SYNONYMS

IL32; Human IL32 ELISA Kit; IL-32 ELISA Kit; Human; interleukin 32; IL-32alpha ELISA Kit; IL-32beta ELISA Kit; IL-32delta ELISA Kit; IL-32gamma ELISA Kit; IL32 ELISA Kit; NK4 ELISA Kit; TAIF ELISA Kit; TAIFa ELISA Kit; TAIFb ELISA Kit; TAIFc ELISA Kit; TAIFd ELISA Kit; IL32 elisa kit

### PRODUCT SPECIFICATIONS

|                    |                                                                                                                                                                                                                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity         | Human                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | For the quantitative determination of Human IL32 concentration in serum.                                                                                                                                                                                                                                                                  |
| Assay Type         | Solid Phase Sandwich ELISA (quantitative)                                                                                                                                                                                                                                                                                                 |
| Sample Types       | Serum                                                                                                                                                                                                                                                                                                                                     |
| Detection Range    | 18.75-1200pg/mL                                                                                                                                                                                                                                                                                                                           |
| Sensitivity        | 12.1pg/mL                                                                                                                                                                                                                                                                                                                                 |
| Conjugation        | HRP                                                                                                                                                                                                                                                                                                                                       |
| Interference       | Preparations of C1QB and HSPA8 at 40ng/mL in a mid-range recombinant human IL32a control were assayed for interference. No significant interference was observed.                                                                                                                                                                         |
| Materials Provided | <ol style="list-style-type: none"> <li>1. 96 well microplate coated with Capture Antibody</li> <li>2. Detection Antibody conjugated to HRP</li> <li>3. Standards</li> <li>4. Wash Buffer Concentrate</li> <li>5. Dilution Buffer Concentrate</li> <li>6. Color Reagent A</li> <li>7. Color Reagent B</li> <li>8. Stop Solution</li> </ol> |

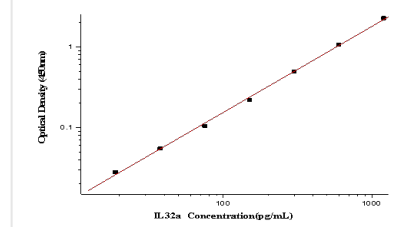
### IMAGES

| Recombinant human |               |        |        |
|-------------------|---------------|--------|--------|
| IL-1              | IL-2          | IL-33  | IL-10  |
| IL-8              | TNF- $\alpha$ | IL-4   | IL-6   |
| IFN- $\gamma$     | MIP-1 $\beta$ | TIMP-1 | TIMP-2 |
| GM-CSF            | SCF           | PDGF   | VEGF   |
| C1QB              | HSPA8         |        |        |

#### Application Data

This assay recognizes both recombinant and natural human IL32a. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

| Concentration (pg/mL) | Zero standard subtracted OD |
|-----------------------|-----------------------------|
| 0                     | 0                           |
| 18.75                 | 0.028                       |
| 37.5                  | 0.055                       |
| 75                    | 0.105                       |
| 150                   | 0.221                       |
| 300                   | 0.496                       |
| 600                   | 1.066                       |
| 1200                  | 2.274                       |



#### Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL32 elisa kit | <p>This IL-32 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-32 protein in Serum. It contains recombinant Human IL-32, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use.</p> <p>Background: IL-32 is a recently discovered cytokine that induces various proinflammatory cytokines (TNF-alpha, IL-1beta, IL-6) and chemokines in both human and mouse cells through the NF-kappaB and p38 MAPK inflammatory signal pathways. It is regulated robustly by other major proinflammatory cytokines and is crucial to inflammation and immune responses. Four of the IL-32 isoforms (alpha, beta, gamma, and delta) are the most representative IL-32 transcripts, and the gamma isoform of IL-32 is the most active, although all isoforms are biologically active. IL-32, a cytokine produced mainly by T, natural killer, and epithelial cells induces significant amounts of TNFalpha and MIP-2 and increases the production of both cytokines in a dose-dependent manner. IL-32 has been implicated in inflammatory disorders, Mycobacterium tuberculosis infections, inflammatory bowel disease, and influenza A virus infection, as well as in some autoimmune diseases, such as rheumatoid arthritis, ulcerative colitis, and in the human stomach cancer, human lung cancer, and breast cancer tissues. Thus, IL-32 expression might be valuable as a biomarker for cancer.</p> |
| References                                     | <p>Felaco P, et al. (2009) IL-32: a newly-discovered proinflammatory cytokine. J Biol Regul Homeost Agents. 23(3): 141-7.</p> <p>Kobayashi H, et al. (2009) Molecular characterization of IL-32 in human endothelial cells. Cytokine. 46(3): 351-8.</p> <p>Meyer N, et al. (2010) IL-32 is expressed by human primary keratinocytes and modulates keratinocyte apoptosis in atopic dermatitis. J Allergy Clin Immunol. 125(4): 858-865.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**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/human-elisa-kits/il32/258417>