

## Mouse Interleukin 23 Subunit Alpha (IL23a) ELISA Kit | IL23a elisa kit

Mouse Interleukin 23 Subunit Alpha (IL23a) Mini Samples ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA188688</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

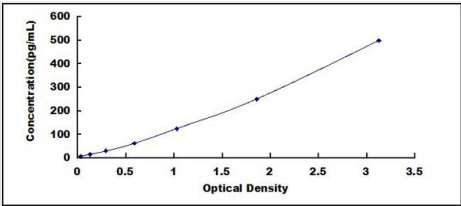
### PRODUCT SYNONYMS

Interleukin 23 Subunit Alpha (IL23a); Mouse Interleukin 23 Subunit Alpha (IL23a) Mini Samples ELISA Kit; Interleukin 23 Subunit Alpha; P19; IL23P19; SGRF; IL23a elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                                 | This assay has high sensitivity and excellent specificity for detection of Mini Samples Interleukin 23 Subunit Alpha (IL23a).<br>No significant cross-reactivity or interference between Mini Samples Interleukin 23 Subunit Alpha (IL23a) and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length                             | 196                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Assay Type                                  | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Samples                                     | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Detection Range                             | 7.8-500pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity                                 | The minimum detectable dose of this kit is typically less than 3.2pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for IL23a elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Precision                                   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Interleukin 23 Subunit Alpha (IL23a) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Interleukin 23 Subunit Alpha (IL23a) were tested on 3 different plates, 8 replicates in each plate.<br>CV(%) = SD/meanX100<br>Intra-Assay: CV<10%<br>Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test Principle                              | The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Interleukin 23 Subunit Alpha (IL23a). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Interleukin 23 Subunit Alpha (IL23a). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mini Samples Interleukin 23 Subunit Alpha (IL23a), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Mini Samples Interleukin 23 Subunit Alpha (IL23a) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Preparation and Storage                     | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 81881842                               |
| NCBI GeneID                      | 83430                                  |
| UniProt Accession #              | Q9EQ14                                 |
| NCBI Official Full Name          | Interleukin-23 subunit alpha           |
| NCBI Official Synonym Full Names | interleukin 23, alpha subunit p19      |
| NCBI Official Symbol             | IL23a                                  |
| NCBI Official Synonym Symbols    | p19; IL-23                             |
| NCBI Protein Information         | interleukin-23 subunit alpha           |
| UniProt Protein Name             | Interleukin-23 subunit alpha           |
| UniProt Gene Name                | IL23a                                  |
| UniProt Synonym Gene Names       | IL-23 subunit alpha; IL-23-A; IL-23p19 |
| UniProt Entry Name               | IL23A_MOUSE                            |

**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/mouse-elisa-kits/interleukin-23-subunit-alpha-il23a/188688>