

## Mouse Apoptosis Inhibitor 5 (API5) ELISA Kit | API5 elisa kit

Mouse Apoptosis Inhibitor 5 (API5) ELISA Kit

CATALOG #  
**AAA161494**

REACTIVITY  
**Mouse**

### PRODUCT SYNONYMS

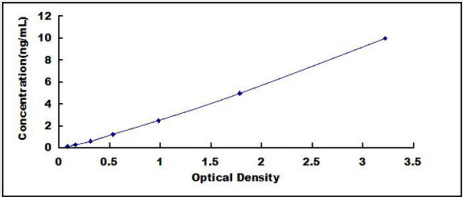
Apoptosis Inhibitor 5 (API5); Mouse Apoptosis Inhibitor 5 (API5) ELISA Kit; API5 ELISA kit (Mouse); MIG8; FIF; AAC11; API5L1; XAGL; Cell migration-inducing gene 8; Antiapoptosis clone 11; Fibroblast Growth Factor 2-Interacting Factor 2; Migration-Inducing Protein MIG8; API5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Apoptosis Inhibitor 5 (API5). No significant cross-reactivity or interference between Apoptosis Inhibitor 5 (API5) and analogues was observed.<br>Reactive with Mouse API5/Apoptosis Inhibitor 5                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Detection Method        | Colormetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Featured Series         | SE kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 0.057ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sample Size             | 100uL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Assay Time              | 3h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function                | Detects protein (regular version)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Precision               | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Apoptosis Inhibitor 5 (API5) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Apoptosis Inhibitor 5 (API5) were tested on 3 different plates, 8 replicates in each plate.<br>CV(%) = SD/meanX100<br>Intra-Assay: CV<10%, Inter-Assay: CV<12%                                                                                                                                                                 |
| Assay Procedure Summary | <ol style="list-style-type: none"> <li>1. Prepare all reagents, samples and standards</li> <li>2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C</li> <li>3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C</li> <li>4. Aspirate and wash 3 times</li> <li>5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C</li> <li>6. Aspirate and wash 5 times</li> <li>7. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C</li> <li>8. Add 50ul Stop Solution. Read at 450nm immediately.</li> </ol> |

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| 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 Apoptosis Inhibitor 5 (API5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Apoptosis Inhibitor 5 (API5). 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 Apoptosis Inhibitor 5 (API5), 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 Apoptosis Inhibitor 5 (API5) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Research Area           | Apoptosis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)<br>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. 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)  
Typical Standard Curve for API5 ELISA (Sandwich)

**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.