

# Rat Receptor Interacting Serine Threonine Kinase 3 (RIPK3) RTU ELISA Kit | RIPK3 rtu elisa kit

Rat Receptor Interacting Serine Threonine Kinase 3 (RIPK3) ELISA Kit

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| CATALOG #<br><b>AAA218187</b> | REACTIVITY<br><b>Rat</b> |
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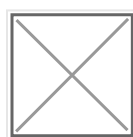
## PRODUCT SYNONYMS

Receptor Interacting Serine Threonine Kinase 3 (RIPK3); Rat Receptor Interacting Serine Threonine Kinase 3 (RIPK3) ELISA Kit; RIP3; RIP-like protein kinase 3; Receptor-interacting protein 3; RIPK3 rtu elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                     |
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| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of RIPK3. No significant cross-reactivity or interference between RIPK3 and analogues was observed.                                                                                                                                                                         |
| Sequence Length         | 478                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Rat tissue homogenates, cell lysates or other biological fluids                                                                                                                                                                                                                                                                                     |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | < 0.055ng/mL                                                                                                                                                                                                                                                                                                                                        |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RIPK3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                             |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RIPK3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                           |
| Preparation and Storage | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Related Product Information for RIPK3 rtu elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of RIPK3 in rat tissue homogenates, cell lysates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RIPK3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to RIPK3. 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 RIPK3, 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 RIPK3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 21326477                                               |
| NCBI GeneID                      | 246240                                                 |
| NCBI Accession #                 | NP_647558.1                                            |
| NCBI GenBank Nucleotide #        | NM_139342.1                                            |
| UniProt Accession #              | Q9Z2P5; B0BMV6                                         |
| Molecular Weight                 | 52,218 Da                                              |
| NCBI Official Full Name          | receptor-interacting serine/threonine-protein kinase 3 |
| NCBI Official Synonym Full Names | receptor-interacting serine-threonine kinase 3         |
| NCBI Official Symbol             | Ripk3                                                  |
| NCBI Official Synonym Symbols    | Rip3; Hcyp2                                            |
| NCBI Protein Information         | receptor-interacting serine/threonine-protein kinase 3 |
| UniProt Protein Name             | Receptor-interacting serine/threonine-protein kinase 3 |
| UniProt Gene Name                | Ripk3                                                  |
| UniProt Synonym Gene Names       | Rip3; RIP-3                                            |

**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/rat-rtu-elisa-kits/receptor-interacting-serine-threonine-kinase-3-ripk3/218187>