

## Guinea pig Alpha-2A adrenergic receptor ELISA Kit | ADRA2A elisa kit

Guinea pig Alpha-2A adrenergic receptor (ADRA2A) ELISA Kit

|                              |                                 |
|------------------------------|---------------------------------|
| CATALOG #<br><b>AAA55648</b> | REACTIVITY<br><b>Guinea pig</b> |
|------------------------------|---------------------------------|

### PRODUCT SYNONYMS

Alpha-2A adrenergic receptor; Guinea pig Alpha-2A adrenergic receptor (ADRA2A) ELISA Kit; ADRA2A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea pig                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Guinea pig ADRA2A. No significant cross-reactivity or interference between Guinea pig ADRA2A and analogues was observed.   |
| Sequence Length         | 465                                                                                                                                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates and other biological fluids                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Detection Range         | 62.5 pg/mL - 4000 pg/mL                                                                                                                                                                               |
| Sensitivity             | 40.8 pg/mL                                                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ADRA2A elisa kit | <p>Intended Uses: For the quantitative detection of Guinea pig Alpha-2A adrenergic receptor (ADRA2A) concentration in serum, plasma, tissue homogenates and other biological fluids.</p> <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ADRA2A in Guinea pig serum, plasma, tissue homogenates. An antibody specific for ADRA2A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRA2A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRA2A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADRA2A bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                         |                              |
|-------------------------|------------------------------|
| NCBI GI #               | 2494940                      |
| UniProt Accession #     | Q60474                       |
| Molecular Weight        | 48,911 Da                    |
| NCBI Official Full Name | Alpha-2A adrenergic receptor |

|                            |                                   |
|----------------------------|-----------------------------------|
| UniProt Protein Name       | Alpha-2A adrenergic receptor      |
| UniProt Gene Name          | <b>ADRA2A</b>                     |
| UniProt Synonym Gene Names | Alpha-2A adrenoceptor; Alpha-2AAR |

**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://www.aaabiotech.com/adra2a-guinea-pig-pig-elisa-kits/alpha-2a-adrenergic-receptor/55648>