

## Rat Arachidonate 5-lipoxygenase (Alox5) ELISA Kit | Alox5 elisa kit

Rat Arachidonate 5-lipoxygenase, Alox5 ELISA Kit

CATALOG #  
**AAA80879**

REACTIVITY  
**Rat**

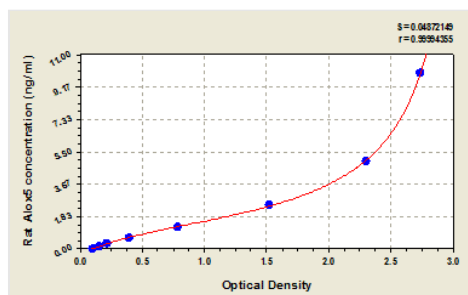
### PRODUCT SYNONYMS

Arachidonate 5-lipoxygenase (Alox5); Rat Arachidonate 5-lipoxygenase; Alox5 ELISA Kit; Rat Arachidonate 5-lipoxygenase (Alox5) ELISA kit; RP11-67C2.3; 5-LO; 5-LOX; 5LPG; LOG5; MGC163204; arachidonic acid 5-lipoxygenase; leukotriene A4 synthase; Alox5 elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Rat                                                                                                                                                                                                                                                                                                                       |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Rat Alox5. No significant cross-reactivity or interference between Rat Alox5 and analogues was observed.                                                                                                                                       |
| Sequence Length              | 670                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                |
| Detection Range              | 0.156 ng/ml-10 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 0.039 ng/ml                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Immunity                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 3 | Leukotriene biosynthesis                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

### NCBI AND UNIPROT INFORMATION

NCBI GI #

6978493

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GeneID                      | <a href="#">25290</a>                               |
| NCBI Accession #                 | <a href="#">NP_036954.1</a>                         |
| NCBI GenBank Nucleotide #        | <a href="#">NM_012822.1</a>                         |
| UniProt Accession #              | <a href="#">P12527</a>                              |
| Molecular Weight                 | 78,087 Da                                           |
| NCBI Official Full Name          | arachidonate 5-lipoxygenase                         |
| NCBI Official Synonym Full Names | arachidonate 5-lipoxygenase                         |
| NCBI Official Symbol             | Alox5                                               |
| NCBI Official Synonym Symbols    | LOX5A                                               |
| NCBI Protein Information         | arachidonate 5-lipoxygenase; 5-LO; 5 - Lipoxygenase |
| UniProt Protein Name             | Arachidonate 5-lipoxygenase                         |
| UniProt Gene Name                | <b>Alox5</b>                                        |
| UniProt Synonym Gene Names       | 5-LO; 5-lipoxygenase                                |
| UniProt Entry Name               | LOX5_RAT                                            |

**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/rat-elisa-kits/arachidonate-5-lipoxygenase-alox5/80879>