

## ARG83431 Arginase Assay Kit

Package: 96 wells

Store at: 4°C and -20°C

### Summary

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| Product Description | ARG83431 Arginase Assay Kit can be used to measure Arginase in Serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids. |
| Tested Reactivity   | Other   |
| Tested Application  | FuncSt  |
| Target Name         | Arginase  |
| Conjugation Note    | Read at 525 nm  |
| Sensitivity         | 50 µmol/ml  |
| Sample Type         | Serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids.  |
| Standard Range      | 100 µmol/ml - 3000 µmol/ml  |
| Sample Volume       | 10 µl   |
| Alternate Names     | Arginase; E.C. 3.5.3.1; Canavanase; Arginine amidinase; L-Arginine amidinohydrolase; L-Arginase; Arginine transamidinase                                    |

### Application Instructions

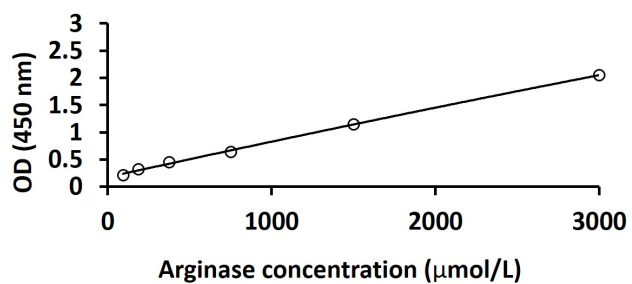
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| Assay Time | 40 min |
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### Properties

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| Form                | 96 well  |
| Storage instruction | Store the kit at 4°C and -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

### Bioinformation

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| Background | Arginase (E.C.3.5.3.1) is a mammalian enzyme which catalyzes the conversion of arginine to ornithine and urea. Arginase is considered as an enzyme responsible for the cyclic nature of urea cycle, since only the organisms containing arginase are able to carry out the complete urea cycle. Two distinct isoforms of mammalian arginase have been identified that are encoded by two separate genes. Type I arginase (arginase I) is located in the cytosol and is mainly expressed in liver. Type II arginase is located in the mitochondrial matrix and is expressed in extra-hepatic tissues. |
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ARG83431 Arginase Assay Kit standard curve image

ARG83431 Arginase Assay Kit results of a typical standard run with optical density reading at 525 nm.