

## General Diamine Oxidase Assay Kit | DAO assay kit

Diamine Oxidase Microplate Assay Kit

|                              |                              |                                         |
|------------------------------|------------------------------|-----------------------------------------|
| CATALOG #<br><b>AAA27821</b> | REACTIVITY<br><b>General</b> | APPLICATIONS<br><b>Functional Assay</b> |
|------------------------------|------------------------------|-----------------------------------------|

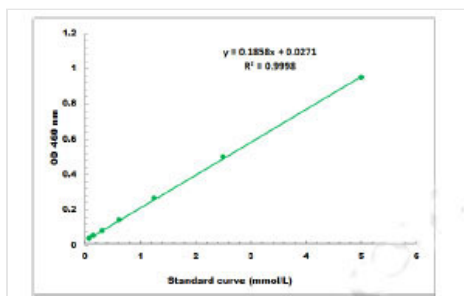
### PRODUCT SYNONYMS

Diamine Oxidase; Diamine Oxidase Microplate Assay Kit; EC 1.4.3.22; DAO; Amine oxidase; CAO; Copper amine oxidase; Cu-containing amine oxidase; Diamino oxhydrase; Histaminase; Histamine deaminase; Semicarbazide-sensitive amine oxidase; SSAO; DAO assay kit

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Reactivity                                | General                                                                                                 |
| Sequence Length                           | 677                                                                                                     |
| Samples                                   | Urine, serum, plasma, other biological fluids, tissue extracts, cell lysate, cell culture media samples |
| Detection Range                           | 0.05 mmol/L - 5 mmol/L                                                                                  |
| Applicable Applications for DAO assay kit | FA (Functional Assay)                                                                                   |
| Preparation and Storage                   | Shipped and store at 4 degree C for 6 months.                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for DAO assay kit | Background/Introduction: Diamine oxidase (DAO) is an enzyme that your body uses to break down ingested histamine. There are a wide variety of foods that contain histamine, and it is DAO's job to break this histamine down. DAO also helps with the integrity of the gut lining, protecting us from leaky gut and the functional digestive issues that can precipitate from it. The assay is initiated with the enzymatic catalysis of cadaverine by DAO. The enzyme catalysed reaction products dianisidine can be measured at a colorimetric readout at 460 nm. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                         |                 |
|-------------------------|-----------------|
| NCBI GI #               | 983174779       |
| Molecular Weight        | 75,985 Da       |
| NCBI Official Full Name | diamine oxidase |
| UniProt Protein Name    | Diamine oxidase |

|                    |                  |
|--------------------|------------------|
| UniProt Gene Name  | DAO              |
| UniProt Entry Name | A0A0Y0B7J3_9PLEO |

**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/general-assay-kits/diamine-oxidase/27821>