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Datasheet for ABIN6730336  
**Chitotriosidase 1 ELISA Kit**

### Overview

|              |                           |
|--------------|---------------------------|
| Quantity:    | 96 tests                  |
| Target:      | Chitotriosidase 1 (CHIT1) |
| Reactivity:  | Mouse                     |
| Method Type: | Sandwich ELISA            |
| Application: | ELISA                     |

### Product Details

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|--------------------|--|
| Purpose:           | Mouse Chitotriosidase/CHIT1 ELISA Kit.   |
| Sample Type:       | Cell Culture Supernatant, Cell Samples, Plasma, Serum, Tissue Lysate   |
| Analytical Method: | Quantitative   |
| Detection Method:  | Colorimetric   |
| Specificity:       | This ELISA antibody pair recognizes Mouse Chitotriosidase.   |
| Characteristics:   | <ul style="list-style-type: none"><li>• Strip plates and additional reagents allow for use in multiple experiments</li><li>• Quantitative protein detection</li><li>• Establishes normal range</li><li>• The best products for confirmation of antibody array data</li></ul> |
| Components:        | <ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Stop Solution</li><li>• Assay Diluent(s)</li><li>• Lyophilized Standard</li><li>• Biotinylated Detection Antibody</li></ul>                                      |

## Product Details

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- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

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### Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µl to 1 µl volumes
- Adjustable 1-25 µl pipettes for reagent preparation
- 100 µl and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

## Target Details

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| Target:           | Chitotriosidase 1 (CHIT1)                                  |
| Alternative Name: | Chitotriosidase (CHIT1 ( <a href="#">CHIT1 Products</a> )) |
| UniProt:          | <a href="#">Q9D7Q1</a>                                     |

## Application Details

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|                    |  |
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| Application Notes: | Optimal working dilution should be determined by the investigator.   |
| Protocol:          | <ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards as instructed in the manual.</li><li>2. Add 100 µl of standard or sample to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4°C.</li><li>4. Add 100 µl of prepared biotin antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µl of prepared Streptavidin solution to each well.</li><li>7. Incubate 45 min at RT.</li><li>8. Add 100 µl of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 µl of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol> |

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| Restrictions: | For Research Use only |
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## Handling

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| Storage Comment: | The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C. |
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## Handling

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Expiry Date: 6 months