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Datasheet for ABIN4882305  
**CES1 ELISA Kit**

### Overview

Quantity:	96 tests
Target:	CES1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	28.67-7000 pg/mL
Minimum Detection Limit:	28.67 pg/mL
Application:	ELISA

### Product Details

Purpose:	Human Carboxylesterase 1/CES1 ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Human Carboxylesterase 1.
Sensitivity:	28 pg/mL
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></ul>

## Product Details

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- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- 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:	CES1
Alternative Name:	Carboxylesterase 1 ( <a href="#">CES1 Products</a> )
Gene ID:	1066
UniProt:	<a href="#">P23141</a>
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

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Application Notes:	Recommended Dilution for serum and plasma samples 50 fold
Sample Volume:	100 µL
Plate:	Pre-coated
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></ol>

## Application Details

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9. Incubate 30 min at RT.
10. Add 50  $\mu$ L of Stop Solution to each well.
11. Read at 450 nm immediately.

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Restrictions: For Research Use only

## Handling

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Storage: -20 °C

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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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Expiry Date: 6 months