

Datasheet for ABIN625278

**CD80 ELISA Kit**[Go to Product page](#)**1** Image

## Overview

|                          |                |
|--------------------------|----------------|
| Quantity:                | 96 tests       |
| Target:                  | CD80           |
| Reactivity:              | Human          |
| Method Type:             | Sandwich ELISA |
| Detection Range:         | 12-3000 pg/mL  |
| Minimum Detection Limit: | 12 pg/mL       |
| Application:             | ELISA          |

## Product Details

|                    |  |
|--------------------|--|
| Purpose:           | Human CD80 (B7-1) ELISA Kit for Cell Culture Supernatants, Plasma, and Serum samples.  |
| Sample Type:       | Plasma, Cell Culture Supernatant, Serum  |
| Analytical Method: | Quantitative   |
| Detection Method:  | Colorimetric   |
| Specificity:       | The antibody pair provided in this kit recognizes human B7-1 / CD80.   |
| 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></ul>  |

## Product Details

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- 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:           | CD80   |
| Alternative Name: | CD80 ( <a href="#">CD80 Products</a> )   |
| Gene ID:          | 941  |
| UniProt:          | <a href="#">P33681</a>   |
| Pathways:         | <a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cancer Immune Checkpoints</a> |

## Application Details

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|--------------------|--|
| Application Notes: | Recommended Dilution for serum and plasma samples 2 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></ol> |

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## Application Details

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8. Add 100  $\mu$ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50  $\mu$ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

## Handling

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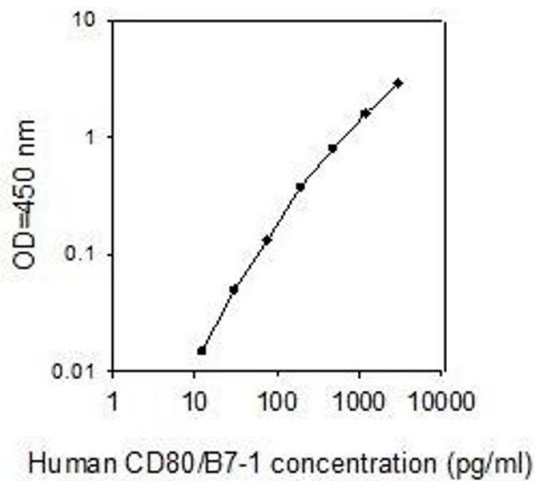
Storage: -20 °C

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.

Expiry Date: 6 months

## Images

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**ELISA**

**Image 1.**