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Datasheet for ABIN4882206  
**CD4 ELISA Kit**

### Overview

Quantity: 96 tests

Target: CD4

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

### Product Details

Purpose: Custom Human CD4 ELISA Kit.

Sample Type: Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate

Analytical Method: Quantitative

Detection Method: Colorimetric

Characteristics:

- Strip plates and additional reagents allow for use in multiple experiments
- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

## Product Details

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|------------------------|---|
| Material not included: | <ul style="list-style-type: none"><li>• Distilled or deionized water</li><li>• Precision pipettes to deliver 2 <math>\mu</math>L to 1 <math>\mu</math>L volumes</li><li>• Adjustable 1-25 <math>\mu</math>L pipettes for reagent preparation</li><li>• 100 <math>\mu</math>L and 1 liter graduated cylinders</li><li>• Tubes to prepare standard and sample dilutions</li><li>• Absorbent paper</li><li>• Microplate reader capable of measuring absorbance at 450nm</li><li>• Log-log graph paper or computer and software for ELISA data analysis</li></ul> |
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## Target Details

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|-------------------|---|
| Target:           | CD4   |
| Alternative Name: | CD4 ( <a href="#">CD4 Products</a> )  |
| Gene ID:          | 920   |
| UniProt:          | <a href="#">P01730</a>  |
| Pathways:         | <a href="#">TCR Signaling</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">CXCR4-mediated Signaling Events</a> |

## Application Details

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|----------------|--|
| Sample Volume: | 100 $\mu$ L  |
| 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 <math>\mu</math>L of standard or sample to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 <math>^{\circ}</math>C.</li><li>4. Add 100 <math>\mu</math>L of prepared biotin antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 <math>\mu</math>L of prepared Streptavidin solution to each well.</li><li>7. Incubate 45 min at RT.</li><li>8. Add 100 <math>\mu</math>L of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 <math>\mu</math>L 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: | -20 $^{\circ}$ C |
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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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Expiry Date: 6 months