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Datasheet for ABIN2703288

## LAG3 ELISA Kit

### 1 Image

#### Overview

Quantity: 96 tests

Target: LAG3

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 45-12000 pg/mL

Minimum Detection Limit: 45 pg/mL

Application: ELISA

#### Product Details

Purpose: Human LAG-3 ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Plasma, Cell Culture Supernatant, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: This ELISA antibody pair detects human LAG3. Other species not determined.

Sensitivity: 45 pg/mL

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

## 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: LAG3

Alternative Name: LAG3 ([LAG3 Products](#))

Background: Gene Names: LAG3 FDC  
Protein names: Lymphocyte activation gene 3 protein (LAG-3) (Protein FDC) (CD antigen CD223)

Gene ID: 3902

UniProt: [P18627](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cancer Immune Checkpoints](#)

## Application Details

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Application Notes: Recommended Dilution for serum and plasma samples 3 - 30 fold

Sample Volume: 100 µL

Plate: Pre-coated

Protocol: 1. Prepare all reagents, samples and standards as instructed in the manual.  
2. Add 100 µL of standard or sample to each well.

## Application Details

3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

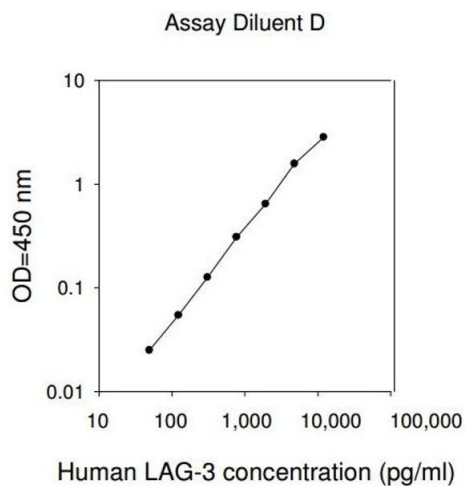
## Handling

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



ELISA

Image 1.