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Datasheet for ABIN4882224
CD51 ELISA Kit

Overview

Quantity: 96 tests

Target: CD51 (ITGAV)

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Human CD51/Integrin alpha-V 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 CD51.

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

Product Details

- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 μ L to 1 μ L volumes
- Adjustable 1-25 μ L pipettes for reagent preparation
- 100 μ L 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

Target: CD51 (ITGAV)

Alternative Name: CD51 ([ITGAV Products](#))

Gene ID: 3685

UniProt: [P06756](#)

Pathways: [Cell-Cell Junction Organization](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Integrin Complex](#)

Application Details

Sample Volume: 100 μ L

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 μ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$ C.
4. Add 100 μ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L 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