

Datasheet for ABIN6730098
MCAM ELISA Kit



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Overview

Quantity: 96 tests

Target: MCAM

Reactivity: Mouse

Method Type: Sandwich ELISA

Detection Range: 0.18 ng/mL - 40 ng/mL

Minimum Detection Limit: 0.18 ng/mL

Application: ELISA

Product Details

Purpose: Mouse MCAM/CD146 ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: This ELISA antibody pair recognizes Mouse MCAM.

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

Product Details

- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

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

| | |
|-------------------|--|
| Target: | MCAM |
| Alternative Name: | MCAM (CD146 (MCAM Products)) |
| UniProt: | Q8R2Y2 |

Application Details

| | |
|----------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Protocol: | <ol style="list-style-type: none">1. Prepare all reagents, samples and standards as instructed in the manual.2. Add 100 µl of standard or sample to each well.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. |
| Reagent Preparation: | Recommended Dilution for serum and plasma samples 2 fold |
| Restrictions: | For Research Use only |

Handling

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