Mouse KLK1 Kallikrein 1 ELISA Kit

Catalog Number: EK1586

Lot Number: 123456

# INTENDED USE

This Mouse KLK1 Kallikrein 1 ELISA Kit is for research use only. Not for diagnostic procedures.

# BACKGROUND

Kallikrein-1 (KLK1) is a member of the kallikrein subfamily of serine proteases. Kallikreins are involved in post-translational processing of many polypeptides. Kallikrein 1 (KLK1), also known as tissue kallikrein, is one of the 15 known human kallikreins and has a key role in the cardiovascular system.

# OVERVIEW

|  |  |
| --- | --- |
| Product Name | Mouse KLK1 Kallikrein 1 ELISA Kit |
| Reactive Species | Mouse |
| Size | 96T |
| Description | Mouse KLK1 Kallikrein 1 ELISA Kit for Serum, Plasma, Cell Culture Supernatants, Urine |
| Sensitivity | < 1 pg/ml |
| Detection Range | 1.56-100 pg/ml |
| Storage Instructions | Store at 4°C for 6 months, -20°C for 12 months |
| Uniprot ID | P15947 |

# TECHNICAL DETAILS

|  |  |
| --- | --- |
| Capture/Detection Antibodies | Rabbit |
| Specificity | Natural and recombinant Mouse KLK1 |
| Standard Protein | Recombinant Mouse KLK1 |
| Cross-reactivity | No detectable cross-reactivity with other relevant proteins |

# PREPARATIONS BEFORE ASSAY

Please read the following instructions before starting the experiment. This section includes both regular paragraphs and numbered instructions.

Before beginning, make sure to thoroughly read the entire protocol.

1. Prepare all reagents, samples, and standards according to the instructions.

2. Confirm that you have the appropriate non-supplied equipment available.

3. Spin down all components to the bottom of the tube before opening.

4. Don't let the 96-well plate dry out as this will inactivate active components.

5. Don't reuse tips and tubes to avoid cross-contamination.

Avoid using reagents from different batches together.

The kit should not be used beyond the expiration date on the kit label.

# KIT COMPONENTS

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Quantity | Volume | Storage |
| Anti-Mouse KLK1 Precoated 96-well strip microplate | 1 | 96 wells | 4°C |
| Mouse KLK1 Standard | 2 | 10ng/tube | -20°C |
| Anti-Mouse KLK1 Detection Antibody | 1 | 130 μL | -20°C |
| HRP-Streptavidin | 1 | 130 μL | 4°C |

# MATERIALS REQUIRED BUT NOT PROVIDED

Microplate reader capable of measuring absorbance at 450nm

Precision pipettes and pipette tips

Distilled or deionized water

Tubes for standard and sample dilution