

Datasheet for ABIN2703571 FLT4 ELISA Kit



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1 Image

Overview

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| Quantity: | 96 tests |
| Target: | FLT4 |
| Reactivity: | Mouse |
| Method Type: | Sandwich ELISA |
| Detection Range: | 0.2-50 ng/mL |
| Minimum Detection Limit: | 0.2 ng/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Mouse VEGFR3 ELISA Kit for Cell Culture Supernatants, EDTA and/or Citrate treated plasma, and Serum samples. Heparin is not recommended. |
| Sample Type: | Cell Culture Supernatant, Plasma, Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes Mouse Vascular endothelial growth factor receptor 3. |
| Sensitivity: | 0.2 ng/mL |
| Characteristics: | <ul style="list-style-type: none">• 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 |

Product Details

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| Components: | <ul style="list-style-type: none">• 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 |
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| Material not included: | <ul style="list-style-type: none">• 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 |
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Target Details

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| Target: | FLT4 |
| Alternative Name: | VEGFR3 (FLT4 Products) |
| Background: | Gene Names: Flt4 Flt-4 Vegfr3 Protein names: Vascular endothelial growth factor receptor 3 (VEGFR-3) (EC 2.7.10.1) (Fms-like tyrosine kinase 4) (FLT-4) (Tyrosine-protein kinase receptor FLT4) |
| Gene ID: | 14257 |
| UniProt: | P35917 |
| Pathways: | RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGF Signaling |

Application Details

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| Application Notes: | Recommended Dilution for serum and plasma samples 2 fold |
| Sample Volume: | 100 μ L |
| Plate: | Pre-coated |
| 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 $^{\circ}$C. |

Application Details

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.

Sample Preparation: Collect plasma using EDTA and/or Citrate as the anticoagulant. Heparin is not recommended.

Restrictions: For Research Use only

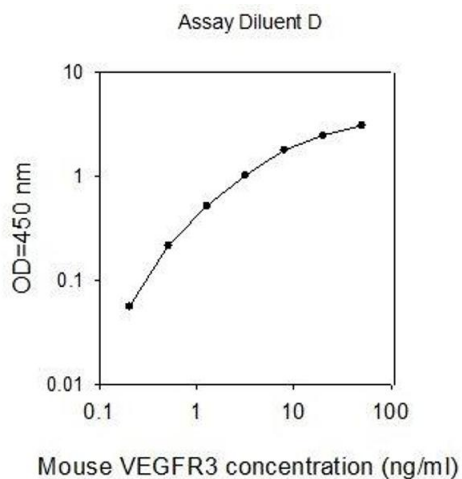
Handling

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.