Datasheet for ABIN2748745

FLT1 ELISA Kit

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Overview

Quantity:	96 tests
Target:	FLT1
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.41 ng/mL
Minimum Detection Limit:	0.41 ng/mL
Application:	ELISA

Product Details

Purpose:	Rat VEGFR1 ELISA Kit for serum, plasma, and cell culture supernatant samples.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair detects Rat VEGFR1 and Mouse VEGFR1. Other species not determined.
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

Product Details

	• Stop Solution • 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:	FLT1
Alternative Name:	VEGFR1 (FLT1 Products)
Background:	Vascular Endothelial Growth Factor Receptor 1 (Flt1)
Gene ID:	54251
UniProt:	P53767
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples2 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. 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.

Application Details

	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.
Assay Procedure:	Prepare all reagents, samples and standards as instructed in the manual.Add 100 µL of standard or sample to each well.Incubate 2.5 h at RT or O/N at 4 °C.Add 100 µL of prepared biotin antibody to each well.Incubate 1 h at RT.Add 100 µL of prepared Streptavidin solution to each well.Incubate 45 min at RT.Add 100 µL of TMB One-Step Substrate Reagent to each well.Incubate 30 min at RT.Add 50 µL of Stop Solution to each well.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