

Datasheet for ABIN2748536
CD31 ELISA Kit



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Overview

Quantity:	96 tests
Target:	CD31 (PECAM1)
Reactivity:	Rhesus Monkey
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Custom Rhesus Macaque Platelet Endothelial Cell Adhesion Molecule (CD31) ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Rhesus Macaque Platelet Endothelial Cell Adhesion Molecule (CD31)
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

Product Details

- 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
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Target Details

Target:	CD31 (PECAM1)
Alternative Name:	PECAM-1 (PECAM1 Products)
Background:	Platelet Endothelial Cell Adhesion Molecule (CD31)
UniProt:	F7BHW6
Pathways:	Regulation of Actin Filament Polymerization

Application Details

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. 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

Application Details

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