Datasheet for ABIN6951525

AKR1B1 ELISA Kit

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Overview

Quantity:	96 tests
Target:	AKR1B1
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human AKR1B1 ELISA Kit.
Sample Type:	Cell Culture Supernatant, Cell Samples, Plasma, Serum, Tissue Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
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 • Biotinylated Detection Antibody • Streptavidin-Conjugated HRP • TMB One-Step Substrate

Product Details

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:	AKR1B1
Alternative Name:	AKR1B1 (AKR1B1 Products)
Gene ID:	231
UniProt:	P15121
Pathways:	Metabolism of Steroid Hormones and Vitamin D, C21-Steroid Hormone Metabolic Process, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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.
Restrictions:	For Research Use only

Handling

Expiry Date:	6 months