

Datasheet for ABIN5706913

ERK1 ELISA Kit



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Overview

Quantity:	96 tests
Target:	ERK1 (MAPK3)
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.625 ng/mL - 40 ng/mL
Minimum Detection Limit:	0.625 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0.249 ng/mL

Target Details

Target:	ERK1 (MAPK3)
Alternative Name:	Extracellular Signal Regulated Kinase 1 (ERK1) (MAPK3 Products)
Background:	Alternative name: HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, MAPK3, ERT2, Mitogen-Activated Protein Kinase 3, Insulin-stimulated MAP2 kinase, Microtubule-associated protein 2 kinase

Target Details

Pathways:	MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Response to Growth Hormone Stimulus , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , S100 Proteins
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Pre-coated, ready to use 96-well strip plate, Standard (freeze dried), Standard Diluent, Detection Reagent A, Detection Reagent B, Assay Diluent A, Assay Diluent B, TMB substrate, Stop Solution, Wash Buffer(30 x concenthumane), Plate sealer for 96 wells, Instruction manual
Sample Volume:	100 µL
Assay Time:	1 - 4.5 h
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none">1. Prepare all reagents, samples and standards2. Add 100µL standard or sample to each well. Incubate 2 hours at 37°C3. Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37°C4. Aspirate and wash 3 times5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37°C6. Aspirate and wash 5 times7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37°C8. Add 50µL Stop Solution. Read at 450nm immediately.
Restrictions:	For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months