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Datasheet for ABIN5691022

IRF3 ELISA Kit

Images



Overview

Quantity: 96 tests Target: IRF3 Binding Specificity: pSer386 Reactivity: Human Method Type: Sandwich ELISA Application: ELISA Product Details Purpose: Human Phospho-IRF-3 (Ser386) and Total IRF-3 ELISA Kit. This assay semi-quantitatively measures IRF-3 phosphorylated at Serine-386 as well as total IRF-3 in cell lysate samples. Sample Type: Cell Samples, Tissue Lysate Analytical Method: Semi-Quantitative Detection Method: Colorimetric Specificity: This ELISA kit recognizes Human IRF-3 phosphorylated at site Serine-386 as well as total IRF-3. Characteristics: Pre-Coated 96-well Strip Microplate - Wash Buffer - Anti-Phospho Antibody - Anti-Pan Antibody - HRP-Conjugated Secondary Antibody - Assay Diluent - Assay Diluent - TMB One-Step Substrate	OVEIVIEW	
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	Characteristics:	 Wash Buffer Anti-Phospho Antibody Anti-Pan Antibody HRP-Conjugated Secondary Antibody Streptavidin-Conjugated HRP Assay Diluent

Product Details

- · Stop Solution
- · Lysis Buffer
- · Positive Control Sample

Components:

- · Pre-Coated 96-well Strip Microplate
- · Wash Buffer
- · Anti-Phospho Antibody
- · Anti-Pan Antibody
- · HRP-Conjugated Secondary Antibody
- · Streptavidin-Conjugated HRP
- · Assay Diluent
- · TMB One-Step Substrate
- · Stop Solution
- · Lysis Buffer
- · Positive Control Sample

Material not included:

- · Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- · Tubes to prepare sample dilutions
- · Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 µL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- · Benchtop rocker or shaker
- · Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target:	IRF3
Alternative Name:	IRF-3 (IRF3 Products)
Gene ID:	3661
UniProt:	Q14653
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Toll-Like Receptors Cascades

Application Details

Plate:	Pre-coated
Protocol:	 Prepare all reagents and samples as instructed in the manual. Add 100 μL of sample or positive control to each well.

- 3. Incubate 2.5 h at RT or O/N at 4 °C.
- 4. Add 100 µL of prepared primary antibody to each well.
- 5. Incubate 1 h at RT.
- 6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.
- 7. Incubate 1 h 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

Storage:

4°C

Storage Comment:

Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

Expiry Date:

6 months

Validation report #103596 for Western Blotting (WB)





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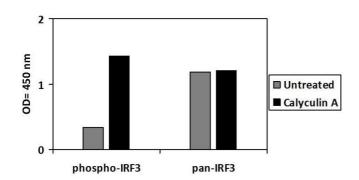
Im

ELISA

Image 1. HT29 cells were treated or untreated with Calyculin A and analyzed using this phosphoELISA and Western Blot.

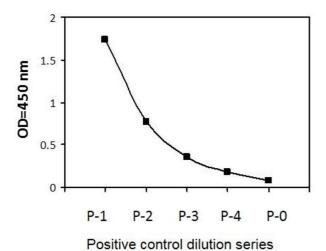
Anti IRF3 (S386)

Anti pan IRF3



ELISA

Image 2. HT29 cells were treated or untreated with Calyculin A and analyzed using this phosphoELISA and Western Blot.



ELISA

Image 3. HT29 cells were treated with Calyculin A. Solubilize cells at 4×10^{4} cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.