CREATIVE BIOMART®
Assay Kit

HIF-1 alpha Transcription Factor Assay Kit

Product Information

Cat.No. Kit-0440

Product Overview

HIF-1 alpha Transcription Factor Assay is a non-radioactive, sensitive method for detecting specific transcription factor DNA binding activity in nuclear extracts and whole cell lysate. A 96-well enzyme-linked immunosorbent assay (ELISA) replaces the cumbersome radioactive electrophoretic mobility shift assay (EMSA). A specific double stranded DNA (dsDNA) sequence containing the HIF-1 alpha response element (5''-ACGTG-3'') is immobilized to the wells of a 96-well plate. HIF-1 alpha contained in a nuclear extract, binds specifically to the HIF-1 alpha response element. The HIF transcription factor complex is detected by addition of a specific primary antibody directed against HIF-1 alpha. A secondary antibody conjugated to HRP is added to provide a sensitive colorimetric readout at 450 nm.

Size

96 tests

Applications

Functional Studies more details

Target Species

Reacts with: Mouse, Rat, Human; Predicted to work with: all Mammals

Kit Components

Components: 96 tests; 96-Well Plate Cover: 1 unit; Polysorbate 20: 1 vial; Transcription Factor Antibody Binding Buffer (10X): 1 x 3ml; Transcription Factor Binding Assay Buffer (4X): 1 x 3ml; Transcription Factor Developing Solution: 1 x 12ml; Transcription Factor Goat Anti-Rabbit HRP Conjugate: 1 x 100µl; Transcription Factor HIF-1 alpha 96-Well Strip Plate: 1 unit; Transcription Factor HIF-1 alpha Competitor dsDNA: 1 vial; Transcription Factor HIF-1 alpha Positive Control: 1 vial; Transcription Factor HIF-1 alpha Primary Antibody: 1 vial; Transcription Factor Reagent A: 1 x 120µl; Transcription Factor Stop Solution: 1 x 12ml; Wash Buffer Concentrate (400X): 1 x 5ml

Compatible Sample Types

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Cell culture extracts, Cell Lysate

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