

In the interest of conserving resources, we are no longer shipping manuals with products. Please visit www.clontech.com/manuals to obtain an electronic version.

PRODUCT: TransFactor NFATc1 Chemiluminescent Kit (2 Plates)

CATALOG No. 631955

LOT NUMBER

Specified on product label.

STORAGE CONDITIONS

- Store Whole Cell Extract at -70°C .
- Store Poly dIdC, Oligo, and 10X TransFactor Buffer at -20°C . TransFactor buffer may be stored in smaller aliquots of a convenient size.
- Store all other components (Box 2) at 4°C .

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS

Box 1: Dry ice (-70°C)

Box 2: Blue ice (4°C)

DESCRIPTION

TransFactor Chemiluminescent Kits provide rapid, sensitive detection of specific transcription factor DNA binding in whole cell or nuclear extracts using an ELISA (enzyme-linked immunosorbent assay) format. Each NFATc1 Chemiluminescent Kit contains two 96-well plates with the consensus binding sequence for NFATc1 coated in the wells. Primary and Secondary Antibodies are provided to detect the bound transcription factor. Competitor Oligos are provided for competition assays.

Box 1:

- 30 μl Jurkat+PHA Whole Cell Extract (5 $\mu\text{g}/\mu\text{l}$)
- 100 μl Poly dIdC (1 mg/ml)
- 20 μl NFATc1 Wild-Type Competitor Oligo (500 ng/ μl)
- 60 ml 10X TransFactor Buffer

Box 2:

- 2 NFATc1 TransFactor Chemiluminescent Plates
- 1 TransFactor Rack
- 50 μl NFATc1 Primary Antibody (mouse monoclonal; 0.5 $\mu\text{g}/\mu\text{l}$)
- 50 μl Secondary Antibody (goat anti-mouse IgG-HRP; 1 $\mu\text{g}/\mu\text{l}$)
- 12 g Blocking Reagent
- 12 ml Chemiluminescent Substrate A
- 12 ml Chemiluminescent Substrate B

Other:

- User Manual (PT3594-1)
- Protocol-at-a-Glance (PT3757-2)
- TransFactor Data Sheet (PT3594-3)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

See back of page.

APPROVED BY: _____



(PA4Y653)



Clontech

United States/Canada
800.662.2566

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

QUALITY CONTROL DATA

Whole Cell Extract: 5 μ g of Jurkat+PHA Whole Cell Extract and 0.5 μ g of Poly dIdC or a buffer blank was applied to the appropriate wells of a NFATc1 TransFactor Plate and analyzed according to the User Manual. The signal ratio of extract-to-blank and extract-to-mutant was greater than threefold.

Competitor Oligo: 500 ng of Wild-Type Competitor Oligo was added to Jurkat+PHA Whole Cell Extract + Poly dIdC and analyzed in a NFATc1 TransFactor Plate according to the User Manual. Upon reading the plate, the amount of signal in the competitor well was reduced by at least 2.5-fold relative to the Whole Cell Extract control well (described above).

Notice to Purchaser

This product is intended to be used for research purposes only. It is not to be used for drug or diagnostic purposes nor is it intended for human use. Clontech products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Clontech Laboratories, Inc.

Clontech, Clontech logo and all other trademarks are the property of Clontech Laboratories, Inc.
Clontech is a Takara Bio Company. ©2005