



E2F6 Transcription Factor Assay Kit

Information Sheet

Catalog #: LHF0071 Description: E2F6 Transcription Factor Assay Kit Lot:* 24935-07

*Note: A letter at the end of the lot number signifies an additional packaging of this same lot.

Intended Use

This kit comprises analyte specific components for the measurement of human E2F6 in nuclear extracts. This kit has been validated with several cell lines of human origin. Buffer reagents needed to complete the reaction are sold separately under Catalog # LNB0004. The Nuclear Extraction Kit is sold under Catalog # FNN0031. These reagents are intended for use in the **Luminex® 100™ or 200™ System only. This kit is configured for research use only and is not to be used in diagnostic procedures.**

Reagents Provided

1. Transcription Factor Bead Concentrate:

Description: E2F6 Bead 20x Concentrate **Part #:** 60366 **Lot:** 24935-07S **Size:** 75 µL/100 tests
Bead Region: 34
Form: Bead concentrate solution in storage buffer.
Storage: **Light-sensitive material. Store** at -20°C, protected from light, until the expiration date indicated on the kit. Upon initial thawing, store at 2-8°C, protected from light.

2. Transcription Factor Binding Mix:

Description: E2F6 20x Binding Mix **Part #:** 60365 **Lot:** 24935-07S **Size:** 75 µL/100 tests
Form: DNA oligonucleotide in storage buffer.
Storage: Store at -20°C until the expiration date indicated on the kit.

Data Analysis

1. Calculate the percent digestion of the Negative Reagent Control using the following formula:
Percent Digestion = [1 - (Mean MFI Negative Reagent Control/Mean MFI Positive Reagent Control)] x 100
This calculation serves as an assay validation check. The percent digestion of the Negative Reagent Control should be ≥95% for all analytes.
2. Subtract the mean MFI values for the Negative Reagent Control from the mean MFI values of the samples.
3. Compare the background-subtracted MFI values of treated and untreated samples.

Performance Characteristics

Control or Sample Designation	MFI
E2F6 Positive Control	13493
E2F6 Negative Control	379
Unstimulated K562 Cell Nuclear Extract	515
PMA Stimulated K562 Cell Nuclear Extract	702

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By purchasing this kit, which contains fluorescently labeled microsphere beads authorized by Luminex® Corporation ("Luminex®"), you, the customer, acquire the right under Luminex's patent rights to use this kit or any portion of this kit, including, without limitation, the microsphere beads contained herein, only with Luminex's laser based fluorescent analytical test instrumentation marketed under the name Luminex® 100™ or 200™. This product is covered by one or more of the following U.S. patents: 6,046,807.

This product is for research use only. Not for use in diagnostic procedures.

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