

# Human Interleukin enhancer-binding factor 2 (ILF2/NF45/PRO3063) ELISA Kit

Catalog No: #EK11549

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK11549-1 48T #EK11549-2 96T

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## Description

Product Name	Human Interleukin enhancer-binding factor 2 (ILF2/NF45/PRO3063) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-354A16.1; MGC8391; NF45; PRO3063; interleukin enhancer binding factor 2 nuclear factor of activated T-cells; 45-kDa
Accession No.	Q12905
Uniprot	Q12905
GeneID	3608;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:7.81-500 pg/mL

Sensitivity:3.4 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ILF2 in samples. An antibody specific for ILF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyILF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ILF2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ILF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**NFAT binds to a sequence in the interleukin 2 gene enhancer known as the antigen receptor response element 2. In addition, NFAT can bind RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the smaller of which is the product of this gene. The encoded protein binds strongly to the 90 kDa protein and stimulates its ability to enhance gene expression.

The NF45 gene encodes a 405-amino acid polypeptide with distant similarity to DNA topoisomerase II and a prokaryotic RNA polymerase that melts DNA to initiate transcription. NF45 and NF90 were expressed in several cell types, including both unstimulated and stimulated Jurkat T cells.

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Note: This product is for in vitro research use only