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Recombinant Anti-IRF4 Rabbit mAb

Catalog # AP95092

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q15306
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	51772

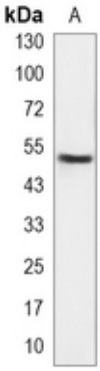
Additional Information

Gene ID	3662
Other Names	MUM1; Interferon regulatory factor 4; IRF-4; Lymphocyte-specific interferon regulatory factor; LSIRF; Multiple myeloma oncogene 1; NF-EM5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human IRF4 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

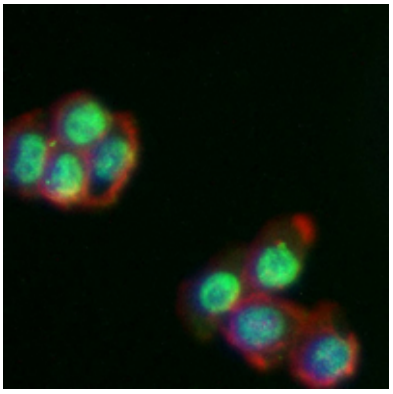
Protein Information

Name	IRF4 {ECO:0000303|PubMed:15489334, ECO:0000303|PubMed:8921401}
Function	Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA- 3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.
Cellular Location	Nucleus. Cytoplasm
Tissue Location	Lymphoid cells.

Images



Western blot analysis of IRF4 expression in Daudi (A) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 52 kD)



Immunofluorescent analysis of IRF4 staining in Daudi cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).