

Mouse Interferon Regulatory Factor 4 (IRF4) ELISA Kit | IRF4 elisa kit

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CATALOG # AAA151271	REACTIVITY Mouse
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PRODUCT SYNONYMS

Interferon Regulatory Factor 4 (IRF4); Mouse Interferon Regulatory Factor 4 (IRF4) ELISA Kit; IRF4/Interferon Regulatory Factor 4; LSIRF; MUM1; NF-EM5; Lymphocyte-specific interferon regulatory factor; Multiple myeloma oncogene 1; IRF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IRF4. No significant cross-reactivity or interference between IRF4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IRF4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IRF4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months The stability of 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.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for IRF4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IRF4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IRF4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IRF4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IRF4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IRF4 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IRF4 elisa kit	Signal transduction; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305519
NCBI GeneID	16364
NCBI Accession #	NP_038702.1
NCBI GenBank Nucleotide #	NM_013674.1
UniProt Accession #	Q64287; Q60802
Molecular Weight	51,577 Da
NCBI Official Full Name	interferon regulatory factor 4
NCBI Official Synonym Full Names	interferon regulatory factor 4
NCBI Official Symbol	Irf4
NCBI Official Synonym Symbols	Spip; IRF-4; LSIRF; AI385587
NCBI Protein Information	interferon regulatory factor 4; NF-EM5; PU.1 interaction partner; transcriptional activator PIP; Sfp1/PU.1 interaction partner; lymphocyte-specific interferon regulatory factor
UniProt Protein Name	Interferon regulatory factor 4
UniProt Gene Name	Irf4
UniProt Synonym Gene Names	Spip; IRF-4; LSIRF
UniProt Entry Name	IRF4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/interferon-regulatory-factor-4-irf4/151271>