Interferon Regulatory Factor 8 (IRF8) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	interferon regulatory factor 8 (IRF8), ELISA Kit
Full Product Name	Mouse Interferon regulatory factor 8, IRF8 ELISA Kit
Product Gene Name	IRF8 elisa kit
Product Synonym Names	Mouse Interferon regulatory factor 8 (IRF8) ELISA kit; H-ICSBP; ICSBP; ICSBP1; IRF-8; interferon consensus sequence binding protein 1; interferon regulatory factor 8
Species Reactivity	Mouse
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-1000pg/ml
Sensitivity	5.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100]. All CV% should be compared by concentration, not compared by OD values.
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Molecular Weight	48,237 Da
3D Structure	ModBase 3D Structure for P23611
Related Product Information for IRF8 elisa kit	Background/Introduction: This Quantitative Sandwich ELISA kit is for lab reagent/research use only, not for drug, household, therapeutic or test applications! This kit is intended to be used to determine the level of IRF8 (hereafter termed "analyte") in undiluted original Mouse serum, plasma or tissue homogenates samples. For other sample types please contact tech support to determine compatibility with this assay. This kit is not suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of IRF8 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IRF8 purchase	MBS9331635 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the interferon regulatory factor 8 (IRF8) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IRF8. The ELISA analytical biochemical technique of the MBS9331635 kit is based on IRF8 antibody-IRF8 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IRF8 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IRF8. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRF8. It may not necessarily be applicable to this product.

NCBI GI #	6680339
NCBI GeneID	15900
NCBI Accession #	NP_032346.1
UniProt Primary Accession #	P23611

UniProt Related Accession #	P23611
GenBank Nucleotide #	NM_008320.3
NCBI Official Full Name	interferon regulatory factor 8
NCBI Official Synonym Full Names	interferon regulatory factor 8
NCBI Official Symbol	Irf8
NCBI Official Synonym Symbols	Myls; ICSBP; IRF-8; Icsbp1; AI893568
UniProt Protein Name	Interferon regulatory factor 8
UniProt Synonym Protein Names	Interferon consensus sequence-binding protein; ICSBP
Protein Family	Interferon regulatory factor
UniProt Gene Name	Irf8
UniProt Synonym Gene Names	Icsbp; Icsbp1; IRF-8; ICSBP
UniProt Entry Name	IRF8_MOUSE
NCBI Protein Information	interferon regulatory factor 8; interferon consensus sequence-binding protein; interferon consensus sequence binding protein 1
NCBI Summary for IRF8	The protein encoded by this gene is a transcription factor that belongs to the interferon regulatory factor family. Proteins belonging to this family have a DNA binding domain at the amino terminus that contains five well-conserved tryptophan-rich repeats. This domain recognizes DNA sequences similar to the interferon-stimulated response element. The protein encoded by this gene promotes or suppresses lineage-specific genes to regulate the differentation of lymphoid and myeloid lineage cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]
UniProt Comments for IRF8	IRF8: Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Plays a negative regulatory role in cells of the immune system. Interacts (via C-terminus) with TRIM21 (via C-terminus). Interacts with COPS2. By IFNG/IFN-gamma. Predominantly expressed in lymphoid tissues. Belongs to the IRF family. Protein type: Transcription factor; DNA-binding Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; DNA binding; transcription factor activity Biological Process: positive regulation of interferon-gamma production; response to bacterium; regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of interleukin-12 production; positive regulation of transcription, DNA-dependent; defense response to bacterium; immune response; myeloid cell differentiation; defense response to protozoan; phagocytosis
Research Articles on IRF8	**1.** we found that the transcriptional factor IRF8 plays a protective role in the cerebral ischaemic-reperfusion injury by attenuating neuronal apoptosis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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