Lymphocyte Factor ELISA Kit for Chicken

PRODUCT OVERVIEW

Product Name	Lymphocyte Factor, ELISA Kit
Full Product Name	Chicken Lymphocyte Factor ELISA Kit
Product Gene Name	LYMPHOCYTE FACTOR elisa kit
Species Reactivity	Chicken
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	51,772 Da
OMIM	254500
3D Structure	ModBase 3D Structure for Q15306
Related Product Information for LYMPHOCYTE FACTOR elisa kit	MBS013699 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Lymphocyte Factor, 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 LYMPHOCYTE FACTOR. The ELISA analytical biochemical technique of the MBS013699 kit is based on LYMPHOCYTE FACTOR antibody-LYMPHOCYTE FACTOR antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LYMPHOCYTE FACTOR antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LYMPHOCYTE FACTOR. 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(%).
Other Notes	Small volumes of LYMPHOCYTE FACTOR 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.

ADDITIONAL DETAILS

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

NCBI GI #	1272477
NCBI GeneID	3662
NCBI Accession #	AAC50779.1
UniProt Primary Accession #	Q15306
UniProt Secondary Accession #	Q5VUI7; Q99660
UniProt Related Accession #	Q15306
NCBI Official Full Name	lymphocyte specific interferon regulatory factor/interferon regulatory factor 4
NCBI Official Synonym Full Names	interferon regulatory factor 4
NCBI Official Symbol	IRF4
NCBI Official Synonym Symbols	MUM1; LSIRF; NF-EM5
UniProt Protein Name	Interferon regulatory factor 4
UniProt Synonym Protein Names	Lymphocyte-specific interferon regulatory factor; LSIRF; Multiple myeloma oncogene 1; NF-EM5

UniProt Gene Name	IRF4
UniProt Synonym Gene Names	MUM1; IRF-4; LSIRF
UniProt Entry Name	IRF4_HUMAN
NCBI Protein Information	interferon regulatory factor 4; multiple myeloma oncogene 1; lymphocyte-specific interferon regulatory factor
NCBI Summary for LYMPHOCYTE FACTOR	The protein encoded by this gene belongs to the IRF (interferon regulatory factor) family of transcription factors, characterized by an unique tryptophan pentad repeat DNA-binding domain. The IRFs are important in the regulation of interferons in response to infection by virus, and in the regulation of interferon-inducible genes. This family member is lymphocyte specific and negatively regulates Toll-like-receptor (TLR) signaling that is central to the activation of innate and adaptive immune systems. A chromosomal translocation involving this gene and the IgH locus, t(6;14)(p25;q32), may be a cause of multiple myeloma. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2010]
UniProt Comments for LYMPHOCYTE FACTOR	IRF4: 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. Interacts with SPIB and DEF6. Not induced by interferons. Lymphoid cells. Belongs to the IRF family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; DNA-binding; Oncoprotein Chromosomal Location of Human Ortholog: 6p25-p23 Cellular Component: nucleoplasm; membrane; cytoplasm; cytosol; nucleus Molecular Function: protein binding; sequence-specific DNA binding; protein-lysine N-methyltransferase activity; transcription factor activity; transcription factor binding Biological Process: transcription, DNA-dependent; T cell activation; cytokine and chemokine mediated signaling pathway; positive regulation of interleukin-2 biosynthetic process; positive regulation of transcription, DNA-dependent; regulation of T-helper cell differentiation; myeloid dendritic cell differentiation; defense response to protozoan; peptidyl-lysine methylation; positive regulation of interleukin-10 biosynthetic process; positive regulation of interleukin-4 biosynthetic process; positive regulation of interleukin-13 biosynthetic process; negative regulation of toll-like receptor signaling pathway; positive regulation of transcription from RNA polymerase II promoter; positive regulation of DNA binding Disease: Skin/hair/eye Pigmentation, Variation In, 8
Research Articles on LYMPHOCYTE FACTOR	**1.** CRBN and IRF4 have been shown to be associated with response to lenalidomide in patients, these findings do not translate back to HMCLs, which could be attributable to factors present in the bone marrow microenvironment.
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