C-Fos ELISA Kit for Camel

PRODUCT OVERVIEW

Product Name	C-Fos, ELISA Kit
Full Product Name	Camel C-Fos ELISA Kit
Product Gene Name	C-FOS elisa kit
Species Reactivity	Camel
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	40,695 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (75745481..75748937). Location: 14q24.3
OMIM	164810
3D Structure	ModBase 3D Structure for P01100
Related Product Information for C-FOS elisa kit	MBS091371 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the C-Fos, 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 C-FOS. The ELISA analytical biochemical technique of the MBS091371 kit is based on C-FOS antibody-C-FOS antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C-FOS antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C-FOS. 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 C-FOS 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 C-FOS. It may not necessarily be applicable to this product.

NCBI GI #	29904
NCBI GeneID	2353
NCBI Accession #	CAA24756.1
UniProt Primary Accession #	P01100
UniProt Secondary Accession #	P18849
UniProt Related Accession #	P01100
NCBI Official Full Name	c-fos
NCBI Official Synonym Full Names	FBJ murine osteosarcoma viral oncogene homolog
NCBI Official Symbol	FOS
NCBI Official Synonym Symbols	p55; AP-1; C-FOS
UniProt Protein Name	Proto-oncogene c-Fos
UniProt Synonym Protein Names	Cellular oncogene fos; G0/G1 switch regulatory protein 7
Protein Family	Transcription factor

UniProt Gene Name	FOS
UniProt Synonym Gene Names	G0S7
UniProt Entry Name	FOS_HUMAN
NCBI Protein Information	proto-oncogene c-Fos; activator protein 1; cellular oncogene c-fos; G0/G1 switch regulatory protein 7; FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS)
NCBI Summary for C-FOS	The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq, Jul 2008]
UniProt Comments for C-FOS	Fos: a proto-oncogenic transcription factor of the bZIP family. Dimerizes with proteins of the JUN family, thereby forming the transcription factor complex AP-1. FOS proteins function as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of FOS has also been associated with apoptotic cell death. Expression increases upon a variety of stimuli, including growth factors, cytokines, neurotransmitters, polypeptide hormones, stress and cell injury. Protein type: DNA-binding; Motility/polarity/chemotaxis; Oncoprotein; Transcription factor Chromosomal Location of Human Ortholog: 14q24.3 Cellular Component: nucleoplasm; transcription factor complex; neuron projection; membrane; endoplasmic reticulum; nucleus; cytosol Molecular Function: protein binding; double-stranded DNA binding; transcription factor binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; response to gravity; response to cAMP; positive regulation of osteoclast differentiation; response to toxin; positive regulation of transcription, DNA-dependent; stress-activated MAPK cascade; response to lipopolysaccharide; toll-like receptor 3 signaling pathway; female pregnancy; toll-like receptor 10 signaling pathway; toll-like receptor 5 signaling pathway; regulation of transcription factor activity; conditioned taste aversion; transforming growth factor beta receptor signaling pathway; DNA methylation; inflammatory response; toll-like receptor 4 signaling pathway; aging; response to corticosterone stimulus; response to drug; nervous system development; response to light stimulus; MyD88-independent toll-like receptor signaling pathway; sleep; cellular response to hormone stimulus; toll-like receptor 2 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; regulation of transcription from RNA polymerase II promoter; response to mechanical stimulus; response to cytokine stimulus; toll-like receptor signaling pathway; cellular response to extracellular stimulus; innate immune response; positive regulation of transcription from RNA polymerase II promoter; toll-like receptor 9 signaling pathway; response to cold; response to progesterone stimulus
Research Articles on C-FOS	**1.** gain-of-function mutant cellular c-Jun and c-Fos proteins preferentially bind methylated DNA, which disrupts Epstein-Barr virus latency
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