

c-Fos

Cat.No. 226-0P; control peptide, 100 µg peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 2 to 17 from rat c-Fos (UniProt Id: P12841)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	226 003, 226 004, 226 005
Remarks	This control peptide consists of the synthetic peptide (aa 2 - 17 of rat c-Fos) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The Fos gene family consists of 4 members: **c-Fos**, FosB, FosL1, and FosL2, also called Fos related antigen 1 and 2 (FRA1 and 2). These leucine zipper proteins can dimerize with proteins of the JUN family leading to the formation of the transcription factor complex AP1. The expression of Fos proteins is rapidly and transiently induced by different extracellular stimuli such as growth factors, cytokines, neurotransmitters, polypeptide hormones, stress. In addition Fos proteins can be phosphorylated by ERK kinases modulating transcriptional activity, protein stability and localization. c-Fos is homologous to the Finkel-Biskis-Jenkins (FBJ) murine osteosarcoma virus oncogene.

Selected General References

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