



FOS blocking peptide (DAG-P1335)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the bZIP family. Fos subfamily. Contains 1 bZIP domain.
Format	Liquid
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Store at +4°C. PBS with 100ug BSA 0.1% sodium azide

GENE INFORMATION

Gene Name	FOS FBJ murine osteosarcoma viral oncogene homolog [Homo sapiens (human)]
Official Symbol	FOS
Synonyms	FOS; FBJ murine osteosarcoma viral oncogene homolog; p55; AP-1; C-FOS; 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);

Entrez Gene ID	2353
mRNA Refseq	NM_005252.3
Protein Refseq	NP_005243.1
UniProt ID	P01100
Chromosome Location	14q24.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription factors, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling
Function	R-SMAD binding; double-stranded DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region DNA binding;