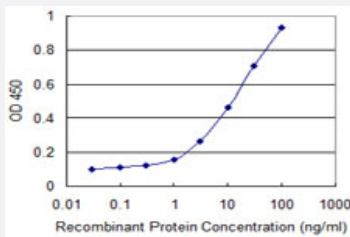


FOS monoclonal antibody (M14), clone 2D11

Catalog # H00002353-M14

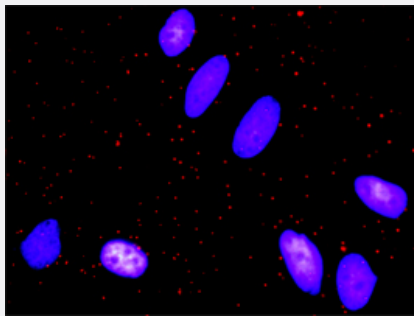
Size 100 ug

Applications



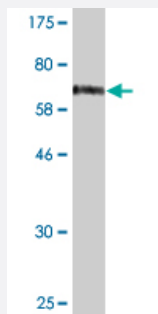
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOS is 0.3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between EGFR and FOS. HeLa cells were stained with anti-EGFR rabbit purified polyclonal 1:1200 and anti-FOS mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (67.54 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant FOS.

Immunogen	FOS (AAH04490, 1 a.a. ~ 380 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MMFSGFNADYEASSSRCSSASPAGDSLSEYHSPADSFSSMGSPVNAQDFCTDLAVSSANFIPT VTAISTSPDLQWLVPALVSSVAPSQTRAPHFPGVPAPSAGAYSRAAGVVKMTTGGAQSIGRRG KVEQLSPEEEERRRIRERNKMAAAKCRNRRRELDTLQAETDQLEDEKSALQTEIANLLKEKEK LEFILAAHRPACKIPDDLGFPEEMSVASLDLTGGLPEVATPESEEAFPLNDPEPKPSVEPVK SISSELMKTEPFDDFLFPASSRPSGSETARVDPMDLGSFYAADWEPLHSGSLGMGPMATEL EPLCTPVVTCTPSTAYTSSFFVFTYPEADSFPSCAAAHRKGSSSNEPSSDSLSSPTLLAL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.54 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOS is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between EGFR and FOS. HeLa cells were stained with anti-EGFR rabbit purified polyclonal 1:1200 and anti-FOS mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — FOS

Entrez GeneID [2353](#)

GeneBank Accession# [BC004490](#)

Protein Accession# [AAH04490](#)

Gene Name FOS

Gene Alias AP-1, C-FOS

Gene Description v-fos FBJ murine osteosarcoma viral oncogene homolog

Omim ID [164810](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS)|activator protein 1|cellular oncogene c-fos

Pathway

- [B cell receptor signaling pathway](#)
- [Colorectal cancer](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Anorexia Nervosa](#)

- [Asthma](#)
- [Bronchiolitis](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
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- [Genetic Predisposition to Disease](#)
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- [Respiratory Syncytial Virus Infections](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)