

## Product datasheet for **TA389000**

### **c Fos (FOS) Mouse Monoclonal Antibody [Clone ID: 2H2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	2H2
Applications:	ICC, IHC, WB
Recommended Dilution:	<b>WB:</b> 1:2000 <b>ICC:</b> 1:1000
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant full length human c-FOS expressed in and purified from E. Coli.
Specificity:	Specific for endogenous levels of the ~50 kDa c-FOS protein.
Formulation:	PBS + 50% glycerol and 5 mM Na <sub>3</sub> N
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	50
Gene Name:	Fos proto-oncogene, AP-1 transcription factor subunit
Database Link:	<a href="#">Entrez Gene 2353 Human P01100</a>



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**Background:**

c-FOS is a member of the FOS transcription factor family which forms dimers with c-JUN to produce the Activator Protein 1 (AP-1) complex which plays a key role in critical cellular processes such as cell proliferation, differentiation and apoptosis (Chiu et al., 1988). c-FOS expression has been demonstrated to be a useful marker of neuronal activation as it is rapidly induced following various stimuli (Hoffman et al., 1993). Additionally, c-FOS has been shown to be overexpressed in a variety of malignant tumor types (Milde-Langosch 2005).

**Synonyms:**

AP-1; C-FOS; G0S7

**Note:**

Protein G purified culture supernatant.