

## Anti-GADD45A Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M013245

### Product Information

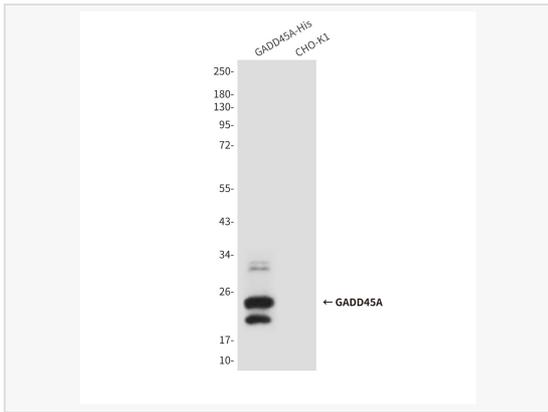
Application	WB, ELISA
Reactivity	Transfected
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	55M99K58
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant human GADD45 $\alpha$ protein expressed in E.coli
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GADD45A antibody [55M99K58] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	DDIT1, GADD45.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 22 kDa
Uniprot ID	P24522
Gene ID	1647
Background	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Validation Images

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Western blot analysis of GADD45 alpha in CHO-K1 lysates and CHO-K1 transfected by GADD45 alpha His fusion protein lysates using GADD45 alpha antibody.