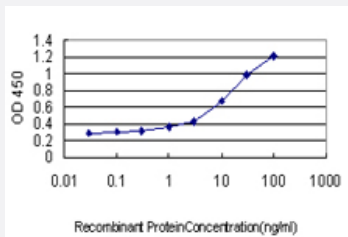


GADD45G monoclonal antibody (M01), clone 1D3

Catalog # H00010912-M01

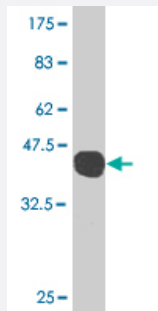
Size 50 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GADD45G is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (43.23 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GADD45G.
Immunogen	GADD45G (AAH19325, 1 a.a. ~ 159 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTLEEVRGQDTVPESTARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFCVLA AGEEDEGDIALQIHFTLIQAFCCENDIDIVRVGDVQRLAAIVGAGEEAGAPGDLHCILISNPNEAW KDPALEKLSLFCEESRSVNDWVPSITLPE
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.23 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 GADD45G is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GADD45G

Entrez GeneID	10912
GeneBank Accession#	BC019325
Protein Accession#	AAH19325
Gene Name	GADD45G
Gene Alias	CR6, DDIT2, GADD45gamma, GRP17
Gene Description	growth arrest and DNA-damage-inducible, gamma
Omim ID	604949
Gene Ontology	Hyperlink

Gene Summary

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 GADD45G is highly expressed in placenta. [provided by RefSeq]

Other Designations

GADD45-gamma|OTTHUMP00000021623|gadd-related protein, 17 kD

Publication Reference

- [The novel histone deacetylase inhibitor, LBH589, induces expression of DNA damage response genes and apoptosis in Ph- acute lymphoblastic leukemia cells.](#)

Scuto A, Kirschbaum M, Kowolik C, Kretzner L, Juhasz A, Atadja P, Pullarkat V, Bhatia R, Forman S, Yen Y, Jove R. Blood 2008 Mar; 111(10):5093.

Application: WB-Ce, Human, MOLT-4, Reh cells

Pathway

- [Cell cycle](#)
- [MAPK signaling pathway](#)
- [p53 signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)