

**TNFSF12 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant TNFSF12.****Catalog # AT4285a****Specification**

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**TNFSF12 Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, E                    |
| Primary Accession | <a href="#">O43508</a>   |
| Other Accession   | <a href="#">BC019047</a> |
| Reactivity        | Human, Mouse             |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG2a Kappa              |
| Calculated MW     | 27216                    |

**TNFSF12 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 8742**Other Names**

Tumor necrosis factor ligand superfamily member 12, APO3 ligand, TNF-related weak inducer of apoptosis, TWEAK, Tumor necrosis factor ligand superfamily member 12, membrane form, Tumor necrosis factor ligand superfamily member 12, secreted form, TNFSF12, APO3L, DR3LG

**Target/Specificity**

TNFSF12 (AAH19047, 49 a.a. ~ 134 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

TNFSF12 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

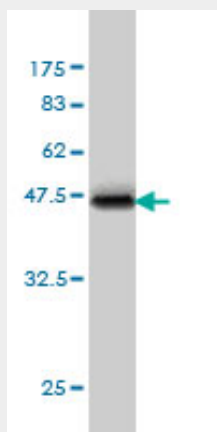
**TNFSF12 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

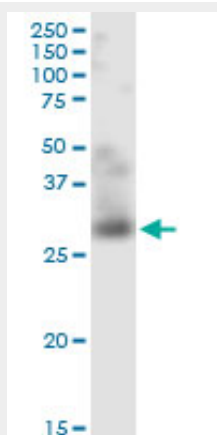
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

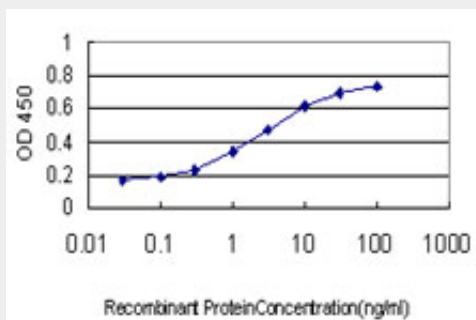
## TNFSF12 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.2 KDa) .



TNFSF12 monoclonal antibody (M01), clone 4H3. Western Blot analysis of TNFSF12 expression in Raw 264.7.



Detection limit for recombinant GST tagged TNFSF12 is approximately 0.03ng/ml as a capture antibody.

**TNFSF12 Antibody (monoclonal) (M01) - Background**

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Some transcripts that skip the last exon of this gene and continue with the second exon of the neighboring TNFSF13 gene have been identified; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13.

**TNFSF12 Antibody (monoclonal) (M01) - References**

Anti-C1q antibodies, sCD40L, TWEAK and CD4/CD8 ratio in systemic lupus erythematosus and their relations to disease activity and renal involvement. ElGendi SS, et al. Egypt J Immunol, 2009. PMID 20726330. Soluble and transmembrane TNF-like weak inducer of apoptosis differentially activate the classical and noncanonical NF-kappa B pathway. Roos C, et al. J Immunol, 2010 Aug 1. PMID 20610643. Full-length, membrane-anchored TWEAK can function as a juxtacrine signaling molecule and activate the NF-kappaB pathway. Brown SA, et al. J Biol Chem, 2010 Jun 4. PMID 20385556. Tumor necrosis-like weak inducer of apoptosis as a proinflammatory cytokine in human adipocyte cells: up-regulation in severe obesity is mediated by inflammation but not hypoxia. Vendrell J, et al. J Clin Endocrinol Metab, 2010 Jun. PMID 20382683. Peripheral artery disease is associated with a high CD163/TWEAK plasma ratio. Moreno JA, et al. Arterioscler Thromb Vasc Biol, 2010 Jun. PMID 20299688.