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# TNFSF12 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TNFSF12.
Catalog # AT4285a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | O43508 |
| **Other Accession** | BC019047 |
| **Reactivity** | Human, Mouse |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 4H3 |
| **Calculated MW** | 27216 |

## Additional Information

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|---|---|
| **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. |

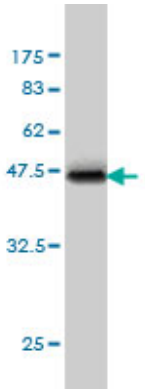
## Background

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.

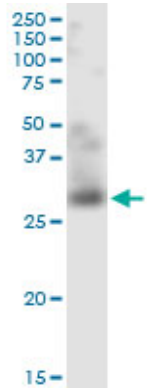
## References

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.

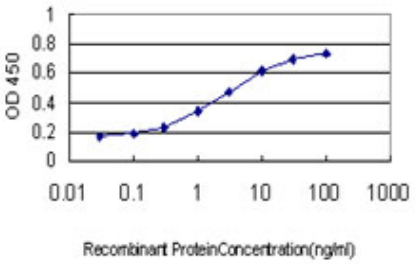
## Images




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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.