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TNFSF12 Antibody (monoclonal) (M01)

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

Specification

TNFSF12 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	O43508
Other Accession	BC019047
Reactivity	**Human, Mouse**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**27216**

TNFSF12 Antibody (monoclonal) (M01) - Additional Information

Gene ID 407977;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

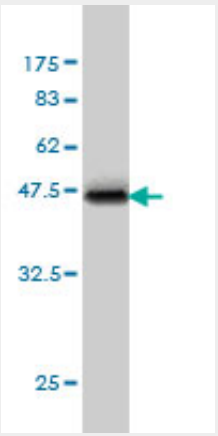
Target/Specificity
TNFSF12 (AAH19047, 49 a.a. ~ 134 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

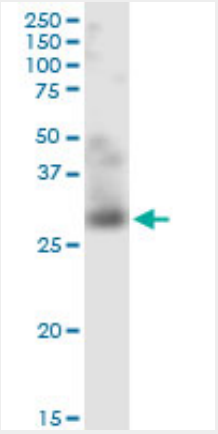
Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

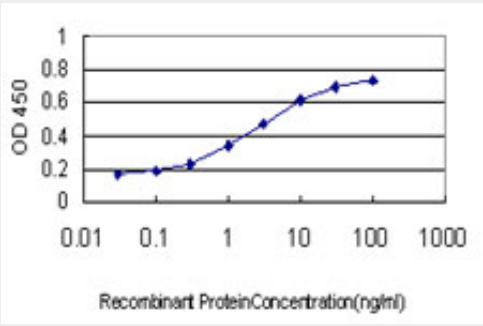
Precautions
TNFSF12 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



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

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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 Cytomety
- Cell Culture

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.