

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.

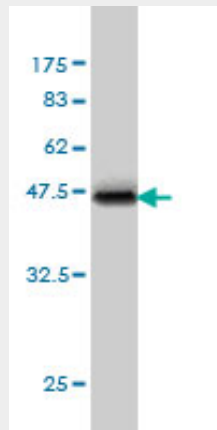
TNFSF12 Antibody (monoclonal) (M01) - Protocols

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

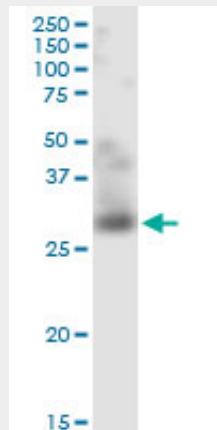
- [Western Blot](#)
- [Blocking Peptides](#)

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

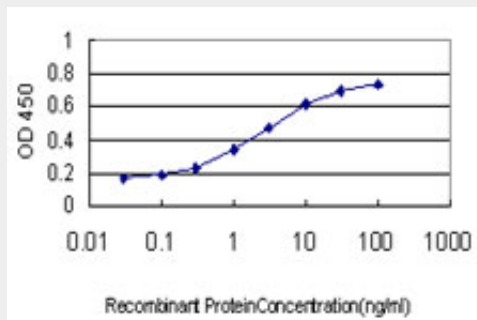
TNFSF12 Antibody (monoclonal) (M01) - Images



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.