Mouse Anti-TNFSF12 Monoclonal Antibody

Cat. No. DMABT-H18373 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-TNFSF12 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	TNF-like weak inducer of apoptosis (TWEAK) is a type II transmembrane TNF superfamily member with strong homology to TNF in its extracellular portion, though less potent in inducing apoptosis. It has been clustered as CD255. TWEAK transcript is expressed broadly in many adult and fetal tissues, however, the staining of human peripheral blood mononuclear cells with TWEAK-specific antibodies shows a more restricted pattern. TWEAK is expressed as membrane-bound and secreted forms. Interaction of TWEAK with its receptors (DR3, Fn14) promotes secretion of IL-8, activation of NF-kappa B, proliferation of endothelial cells, and apoptosis in a number of human cell lines.
Target	TNFSF12
Immunogen	hTWEAK/2PK-3 transfectant cells
Isotype	IgM, kappa
species	Human
Conjugation	N/A

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Applications	ELISA
Preparation	This antibody is at >85% purity.
Usage recommendation	Each lot of this antibody is quality control tested by sandwich ELISA. For ELISA capture applications, a concentration range of 1-4 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C.
Size	100 µg

GENE INFORMATION

Gene Name	TNFSF12 tumor necrosis factor (ligand) superfamily, member 12 [Homo sapiens]
Official Symbol	TNFSF12
Synonyms	TNFSF12; tumor necrosis factor (ligand) superfamily, member 12; tumor necrosis factor ligand superfamily member 12; APO3L; DR3LG; TWEAK; APO3 ligand; APO3/DR3 ligand; TNF-related WEAK inducer of apoptosis; MGC20669; MGC129581;
Gene ID	8742
mRNA Refseq	NM_003809
Protein Refseq	NP_003800

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MIM	602695
UniProt ID	O43508
Chromosome Location	17p13.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Gene Expression, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Stabilization of mRNA by HuR, organism-specific biosystem;
Function	cytokine activity; cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding;

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