

ARG42383 anti-CD255 / TWEAK antibody [CARL-1]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CARL-1] recognizes CD255 / TWEAK
Tested Reactivity	Hu
Tested Application	FACS, IHC-P
Specificity	The mouse monoclonal antibody CARL-1 recognizes an extracellular epitope of CD255 / TWEAK, a type II transmembrane protein of the TNF superfamily able to induce apoptosis weakly in many cell types.
Host	Mouse
Clonality	Monoclonal
Clone	CARL-1
Isotype	IgG3, kappa
Target Name	CD255 / TWEAK
Species	Human
Immunogen	Human CD255-transfected 2PK-3 cells.
Conjugation	Un-conjugated
Alternate Names	APO3L; DR3LG; TWEAK; TNLG4A

Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
	IHC-P	1 - 4 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	TBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

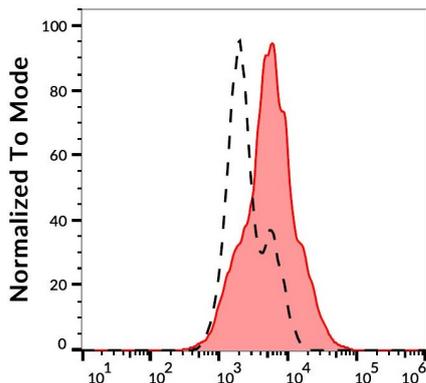
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TNFSF12
Gene Full Name	TNF superfamily member 12
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, which exists in both membrane-bound and secreted forms, 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. Alternative splicing results in multiple transcript variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq, Oct 2010]
Function	Binds to FN14 and possibly also to TNFRSF12/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion. [UniProt]
Cellular Localization	Plasma membrane; Extracellular region or secreted. [UniProt]

Images



ARG42383 anti-CD255 / TWEAK antibody [CARL-1] FACS image

Flow Cytometry: Separation of CD255 transfected L5178Y cells (red-filled) from non-transfected L5178Y cells (black-dashed). Cells were stained with ARG42383 anti-CD255 / TWEAK antibody [CARL-1] at 9 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.