

ARG54262 anti-CD266 / TWEAK R antibody [ITEM-4] (PE)

Package: 50 µg
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [ITEM-4] recognizes CD266 / TWEAK R
Tested Reactivity	Hu, Ms
Tested Application	FACS
Specificity	The clone ITEM-4 recognizes CD266 / TWEAK R, a TNFR superfamily receptor for CD255 / TWEAK, a TNF-like weak inducer of apoptosis.
Host	Mouse
Clonality	Monoclonal
Clone	ITEM-4
Isotype	IgG2b
Target Name	CD266 / TWEAK R
Species	Human
Immunogen	human CD266-transfected P815 cells
Conjugation	PE
Alternate Names	Tumor necrosis factor receptor superfamily member 12A; FGF-inducible 14; CD266; Fibroblast growth factor-inducible immediate-early response protein 14; TWEAKR; TweakR; CD antigen CD266; Tweak-receptor; FN14

Application Instructions

Application table	Application	Dilution
	FACS	2 - 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 Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

Database links

[GeneID: 27279 Mouse](#)

[GeneID: 51330 Human](#)

[Swiss-port # Q9CR75 Mouse](#)

[Swiss-port # Q9NP84 Human](#)

Gene Symbol

TNFRSF12A

Gene Full Name

tumor necrosis factor receptor superfamily, member 12A

Background

CD266 / TWEAK R (TNFRSF12A), also known as FN14 (fibroblast growth factor-inducible 14) is a receptor for CD255 / TWEAK, the TNF-like weak inducer of apoptosis. CD266 is expressed on endothelial cells, as well as on some cancer tissues, and plays a role in CD255-induced endothelial cell migration, proliferation, and angiogenesis. The CD255-CD266 interaction, or antibody-mediated triggering of CD266 is also able to induce apoptosis and necrosis in CD266-positive cells (including tumor cells), which might have therapeutic potential.

Function

Receptor for TNFSF12/TWEAK. Weak inducer of apoptosis in some cell types. Promotes angiogenesis and the proliferation of endothelial cells. May modulate cellular adhesion to matrix proteins. [UniProt]

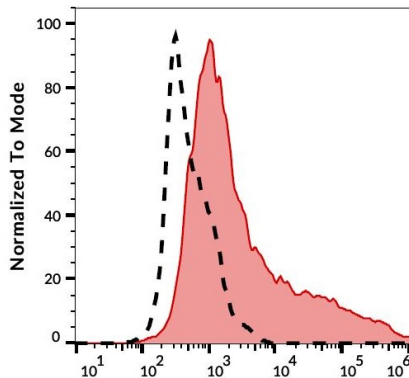
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody

Calculated Mw

14 kDa

Images



ARG54262 anti-CD266 / TWEAK R antibody [ITEM-4] (PE) FACS image

Flow Cytometry: Separation of unstained (black-dashed) and stained (red-filled) CD266 transfected L51784 cells. Cells were stained with ARG54262 anti-CD266 / TWEAK R antibody [ITEM-4] (PE) at 0.19 $\mu\text{g/ml}$ dilution.