

ARG65467 anti-CD266 / TWEAK R antibody [ITEM-4] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [ITEM-4] recognizes CD266 / TWEAK R
Tested Reactivity	Hu, Ms
Tested Application	FACS, FuncSt, IHC-Fr, WB
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	Un-conjugated
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	1 - 4 µg/ml
	FuncSt	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	Functional studies: Blocking. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

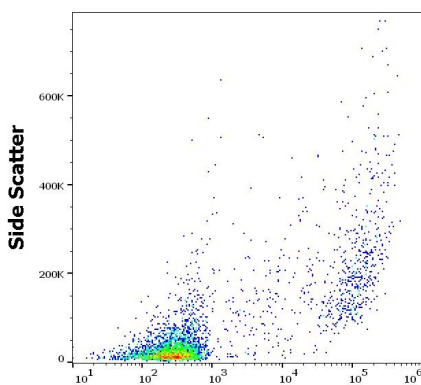
Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)

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

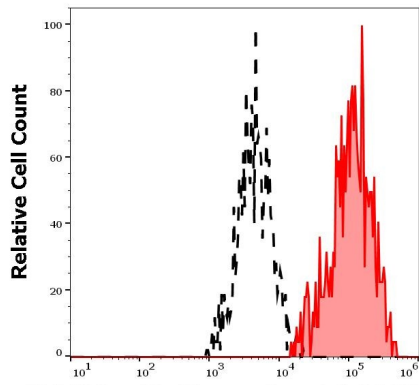
Database links	GeneID: 27279 Mouse GeneID: 51330 Human Swiss-port # Q9CR75 Mouse Swiss-port # Q9NP84 Human
Gene Symbol	TNFRSF12A
Gene Full Name	tumor necrosis factor receptor superfamily, member 12A
Background	CD266 / TWEAK R (TNFRSF12A), also known as FN14 (fibroblast growth factor-inducible 14) is 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



ARG65467 anti-CD266 / TWEAK R antibody [ITEM-4] (low endotoxin)
FACS image

Flow Cytometry: HUVEC cells stained with ARG65467 anti-CD266 / TWEAK R antibody [ITEM-4] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG65467 anti-CD266 / TWEAK R antibody [ITEM-4] (low endotoxin)
FACS image

Flow Cytometry: Separation of stained HUVEC cells (red-filled) from unstained HUVEC cells (black-dashed). Cells were stained with ARG65467 anti-CD266 / TWEAK R antibody [ITEM-4] (low endotoxin) at 1 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.