

30-1545AC: APC Conjugated Anti-Human CD266 Monoclonal Antibody (Clone: ITEM-4)

Clonality :	Monoclonal
Clone Name :	ITEM-4
Application :	FACS
Reactivity :	Mouse,Human
Conjugate :	APC
Gene :	TNFRSF12A
Gene ID :	51330
Uniprot ID :	Q9NP84
Alternative Name :	TNF receptor superfamily member 12A, TWEAKR, FN14, TNFRSF12A
Isotype :	Mouse IgG2b
Immunogen Information :	Human CD266-transfected P815 cells

Description

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.

Specificity: The mouse monoclonal antibody ITEM-4 recognizes an extracellular epitope of CD266 / TWEAK R, a TNFR superfamily receptor for CD255 / TWEAK, a TNF-like weak inducer of apoptosis.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 5-15 µg/ml. Extracellular and intracellular staining.

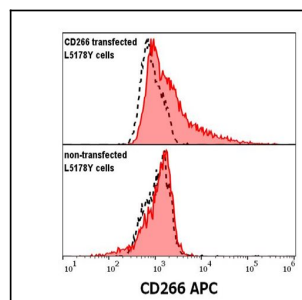


Figure 1: Anti-Hu CD266 APC antibody (clone ITEM-4) specificity verification by flow cytometry. Anti-Hu CD266 APC antibody (concentration in sample 15 µg/ml, red-filled histogram) binds specifically to CD266 in intracellularly stained CD266 transfected L5178Y cells (upper panel), but not to intracellularly stained non-transfected L5178Y cells (lower panel). Level of non-specific binding was assessed using Mouse IgG2b isotype control APC antibody (MOPC-21) under same conditions (concentration in sample 15 µg/ml, black-dashed histogram).