

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

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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	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.

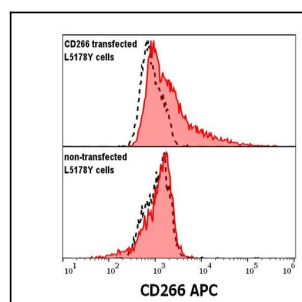


Figure 1: Anti-Hu CD266 APC antibody (clone ITEM-4) specificity verification by flow cytometry. Anti-Hu CD266 APC antibody (concentration in sample 15 µg/ml, red-filled histogram) binds specifically to CD266 in intracellularly stained CD266 transfected L5178Y cells (upper panel), but not to intracellularly 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).