

Product datasheet for **TA320495**

TWEAKR (TNFRSF12A) Mouse Monoclonal Antibody [Clone ID: ITEM-1]

Product data:

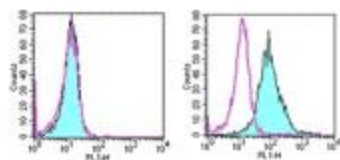
Product Type:	Primary Antibodies
Clone Name:	ITEM-1
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 12A
Database Link:	NP_057723 Entrez Gene 51330 Human Q9NP84

Background: The ITEM-1 mAb reacts with human TWEAK Receptor/Fn14 (fibroblast growth factor-inducible 14 kDa protein). Fn14 is distantly related to the TNFR family, containing one cysteine-rich domain in the extracellular region and a TNFR-associated factor binding domain but does not contain a death domain (DD) cytoplasmic region. Fn14 plays a role in TWEAK-induced endothelial cell migration, proliferation, and angiogenesis. TWEAK-induced cell death via Fn14 includes both apoptosis and necrosis and can be blocked by an anti-TWEAK antibody, CARL-1. Fn14 is expressed on HUVEC and in some cancer tissues but not on freshly isolated PBMCs. Fn14 mRNA expression has been identified during liver regeneration.

Synonyms:	CD266; FN14; TWEAKR
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction



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Product images:

Staining of non-transfected (left) and human Fn14 transfected (right) L5178Y cells with 1.0 ug of Mouse IgG1 kappa Isotype Control Purified (open histogram) or 0.5 ug of Anti-Human CD266 (TWEAK Receptor) Purified (filled histogram) followed by Anti-Mouse IgG FITC. Total viable cells were analyzed.