

## Product datasheet for **AM26783LE-N**

### **TNFSF12-TNFSF13 Mouse Monoclonal Antibody [Clone ID: CARL-1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	CARL-1
Applications:	FC, FN
Recommended Dilution:	<b>Flow cytometry.</b> <b>Functional application:</b> Neutralization.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Human CD255-transfected 2PK-3 cells
Specificity:	This antibody recognizes CD255 / TWEAK, a type II transmembrane protein of the TNF superfamily able to weakly induce apoptosis in many cell types.
Formulation:	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide. State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	TNFSF12-TNFSF13 readthrough
Database Link:	<a href="#">Entrez Gene 407977 Human O43508</a>



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**Background:**

CD255 / TWEAK (TNF-related weak inducer of apoptosis), a type II transmembrane protein expressed as membrane-bound and secreted form, can induce apoptosis in many tissues and cell lines through its receptor CD266 / TWEAK R. On the other hand, in endothelial cells this interaction can induce proliferation and promote angiogenesis including neovascularization of tumours. CD255 can act in a juxtacrine manner to initiate cellular responses, and induces secretion of pro-inflammatory cytokines. Besides CD266, CD255 may also bind to DR3.

**Synonyms:**

APO3 ligand, APO3L, DR3LG