

Datasheet for ABIN925020  
**TWEAK Protein (DYKDDDDK Tag)**



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1 Image

## Overview

Quantity:	10 µg
Target:	TWEAK (TNFSF12)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TWEAK protein is labelled with DYKDDDDK Tag.

## Product Details

Characteristics:	Kills TWEAK sensitive cells. Has a pro-apoptotic effect on several target cell lines and induces angiogenesis and proliferation in endothelial cells. Binds to human and mouse Fn14(TWEAK-R).
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin Level:	<0.1 EU/µg of purified protein (LAL test)

## Target Details

Target:	TWEAK (TNFSF12)
Alternative Name:	TWEAK ( <a href="#">TNFSF12 Products</a> )
Background:	The extracellular domain of human TWEAK (aa 106-249) is fused at the N- terminus to a linker peptide (11 aa) and a DYKDDDDK -tag. Synonyms: Apo-3L, TNFSF 12
Molecular Weight:	~18-20 kDa as determined by SDS-PAGE
Pathways:	<a href="#">Apoptosis</a>

## Application Details

Restrictions: For Research Use only

## Handling

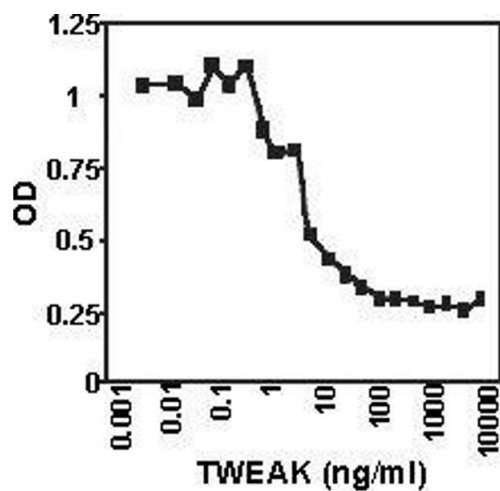
Format: Lyophilized

Reconstitution: Reconstitute in 100  $\mu$ L sterile water for a 0.1 mg/mL solution. Further dilutions should be made with medium containing 5% fetal calf serum.

Buffer: PBS

Storage: -20  $^{\circ}$ C

## Images



### Flow Cytometry

**Image 1.** Apoptosis of TWEAK sensitive cells. Recombinant, soluble human TWEAK exerts its full biological activity in a concentration range of 50-500 ng/mL on Kym-1 cells.

Method: Kym-1 cells (20,000 cells in 50  $\mu$ L RPMI medium containing 10% fetal calf serum) were incubated with the indicated concentrations of TWEAK for 24 hours at 37 $^{\circ}$ C in a 96 well plate. Concentrations of TWEAK required to kill target cells may vary depending on cell type studied. Cell viability was determined using a PMS/MTS-based cell proliferation assay kit.