TWEAK (soluble) (human), (recombinant)

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ALX-522-021-C010	10µg

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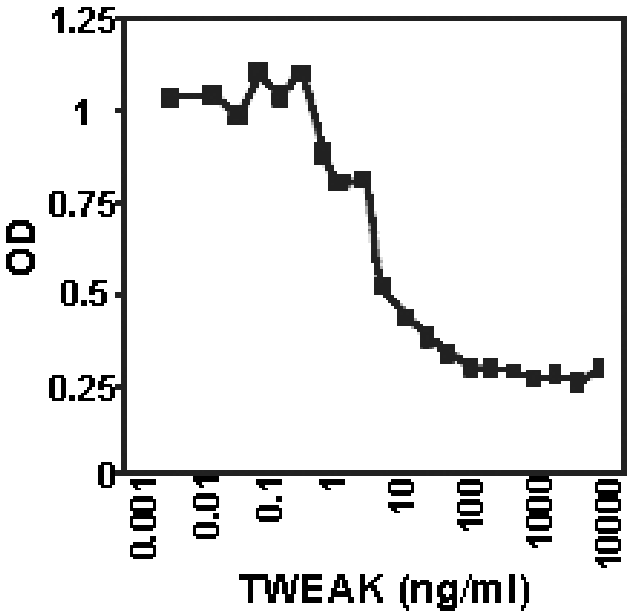


Figure: Apoptosis of TWEAK sensitive cells. Recombinant, human TWEAK exerts its full biological activity in a concentration range of 50-500ng/ml on Kym-1 cells.**Method:** Kym-1 cells (20’000 cells in 50µl RPMI medium containing 10% fetal calf serum) were incubated with the indicated concentrations of rhsTWEAK for 24 hours at 37°C in a 96 well plate. Concentrations of rhsTWEAK 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.

Handling & Storage

Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Apo-3L, TNFSF 12
Application Notes	ELISA: binds to FN14 receptor at 10-100 ng/ml.
Biological Activity	Kills TWEAK sensitive cells.
Concentration	0.1mg/ml after reconstitution.
Endotoxin Content	<0.1EU/µg purified protein (LAL test; Bio Whittaker).
Formulation	Lyophilized. Contains PBS.
MW	~18-20kDa (SDS-PAGE).
Purity	≥90% (SDS-PAGE)
Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Source	Produced in *E. coli*. The extracellular domain of human TWEAK (aa 106-249) is fused at the N-terminus to a linker peptide (11 aa) and a FLAG®-tag.
Specificity	Binds to human and mouse Fn14 (TWEAK-R).

Technical Info / Product Notes

Historical data has shown that TWEAK has a pro-apoptotic effect on several target cell lines, and it induces angiogenesis and proliferation in endothelial cells.

FLAG is a registered trademark of Sigma-Aldrich Co.

UniProt ID

O43508

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