

AG-40A-0033

29-Oct-2010

ANGPTL4 (human) (rec.)

[Angiopoietin-like Protein 4; FIAF; Fasting-induced Adipose Factor; HFARP; Hepatic Fibrinogen/Angiopoietin-related Protein]

AG-40A-0033-C010 10 µg
AG-40A-0033-C050 50 µg

Source/Host HEK 293 cells
MW ~40kDa (SDS-PAGE)
Sequence Human ANGPTL4 (aa 26-406) is fused at the C-terminus to a FLAG[®]-tag.

Handling / Storage

Shipping BLUE ICE
Short Term Storage +4°C
Long Term Storage -20°C

After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

Use / Stability

Working aliquots are stable for up to 3 months when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Biological Activity Shows adipogenic effects in stimulated differentiating 3T3-L1 cells.
Purity ≥90% (SDS-PAGE)
Formulation Liquid. 0.2µm-filtered solution in PBS.
Endotoxin Content <0.1EU/µg purified protein (LAL test; Lonza).

Other Product Data

UniProt link Q9BY76: [ANGPTL4 \(human\) \[Precursor\]](#)

FLAG is a registered trademark of Sigma-Aldrich Co.

Product Description

ANGPTL4 (Angiopoietin-like protein 4) mainly expressed in endothelial cells (hypoxia-induced). Regulates angiogenesis and modulates tumorigenesis and directly regulates lipid, glucose, and energy metabolism. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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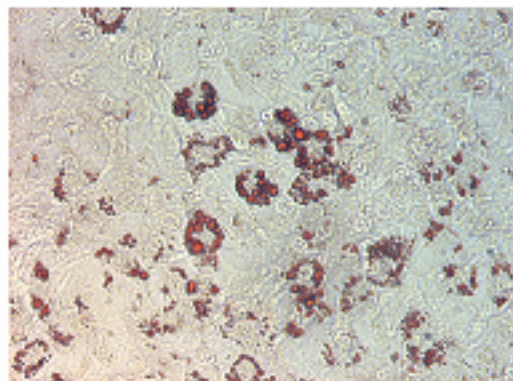
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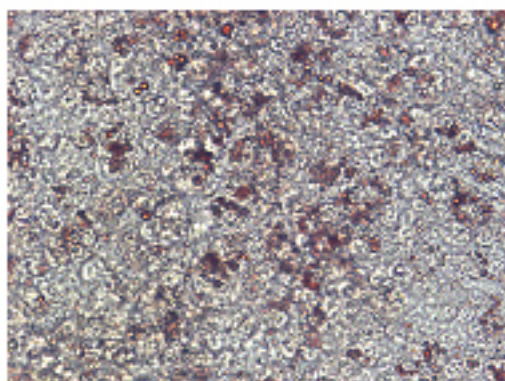
For Local Distributors please visit
www.adipogen.com

Product Specific References

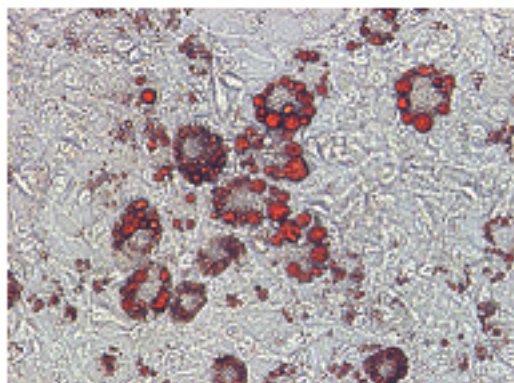
1. Angiotensin-like-2 and -3 act through their coiled-coil domains to enhance survival and replating capacity of human cord blood hematopoietic progenitors: H.E. Broxmeyer, et al.; Blood Cells Mol. Dis. (**Epub ahead of print**) (2011)



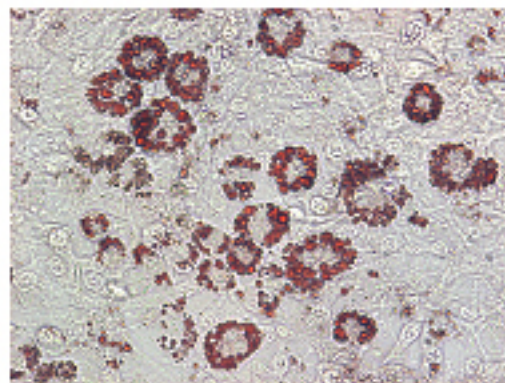
No protein



1.0µg/ml
human insulin



0.5µg/ml
hANGPTL4



1.0µg/ml
hANGPTL4

Figure 1: Insulin-mimetic effects on stimulated differentiating 3T3-L1 cells.

ANGPTL4 (human) (rec.) (Prod. No. AG-40A-0033) or human insulin was added to differentiating 3T3-L1 cells that had been stimulated with 1µM dexamethasone and 0.5mM IBMX for 2 days. After 5 days, fat droplets were stained with Oil-Red O.

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