

AG-45A-0016

01-Jun-2011

**ANGPTL6 (human) ELISA Kit**

[Angiopoietin-like Protein 6; AGF; Angiopoietin-related Growth Factor]

AG-45A-0016EK-KI01	96 wells
AG-45A-0016PP-KI01	5 x 96 wells
AG-45A-0016TP-KI01	2 x 96 wells
Quantity	1 x 96 wells 2 x 96 wells (Twin Plex) 5 x 96 wells (Penta Plex)
Detection Type	Colorimetric
Assay Type	Sandwich
Sample Type	Cell Culture Supernatant / Plasma / Serum

**Handling / Storage**

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

After standard reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. Plate and reagents should reach room temperature before use.

**Use / Stability**

For complete product information please see manual. Manual also available at [www.adipogen.com](http://www.adipogen.com).

**Product Specifications**

Species Crossreactivity	Human
Sensitivity	1.2ng/ml
Specificity	Detects human ANGPTL6. Does not cross-react with human ANGPTL3, human ANGPTL4 or human ANGPTL7.
Range	1.56 to 100ng/ml

**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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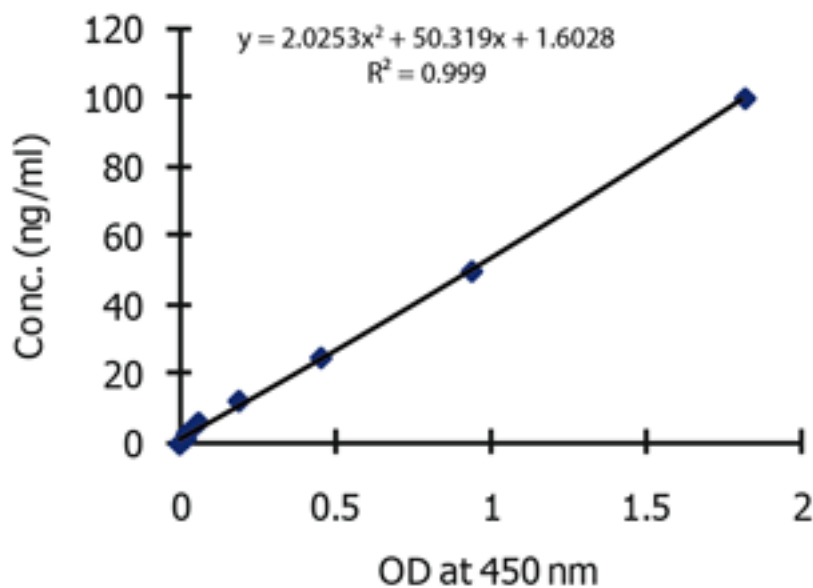
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[www.adipogen.com](http://www.adipogen.com)

**Product Description**

Seven proteins containing an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain, both characteristics of angiopoietins, have been identified and therefore designated angiopoietin-like proteins 1-7 (ANGPTL 1-7). ANGPTL3 and ANGPTL6 (Angiopoietin-related growth factor; AGF), among others, function to regulate angiogenesis and also appear to directly regulate lipid, glucose, and energy metabolism. The serum levels of ANGPTL6 are significantly increased in obese humans, patients with type 2 diabetes mellitus (T2DM), and in metabolic syndrome. Therefore, ANGPTL6 may be a novel biomarker for metabolic diseases and may provide a novel therapeutic approach to counteract obesity, T2DM and insulin resistance.

**Product Specific References**

1. Serum levels of angiopoietin-related growth factor are increased in preeclampsia: H. Stepan, et al.; Am. J. Hypertens. **22**, 314 (2009)
2. Serum levels of angiopoietin-related growth factor in diabetes mellitus and chronic hemodialysis: T. Ebert, et al.; Metabolism **58**, 547 (2009)
3. Serum levels of angiopoietin-related growth factor are increased in metabolic syndrome: J. Namkung, et al.; Metabolism **60**, 564 (2011)



**Figure 1: Standardcurve**

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