Nampt (Visfatin/PBEF) (human) ELISA Kit
[Nicotinamide Phosphoribosyltransferase; PBEF1; Pre-B Cell Colony Enhancing Factor 1]

AG-45A-0006YEK-KI01 96 wells
AG-45A-0006YPP-KI01 5 x 96 wells
AG-45A-0006YTP-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 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
12 months after the day of manufacturing. See expiry date on ELISA Kit box.


Product Specifications
- Species Crossreactivity Human
- Sensitivity 30pg/ml
- Specificity Detects human Nampt. Weakly cross-reacts (<15%) with mouse Nampt and rat Nampt. Does not cross-react with human adiponectin, human resistin, human vaspin or human RBP4. Has been shown to specifically detect the physiologically relevant Nampt dimer in human serum samples.
- Range 0.125 to 8ng/ml

Other Product Data
- Note: Does not work with plasma samples.

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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Nicotinamide phosphoribosyltransferase (Nampt; pre-B cell colony-enhancing factor; PBEF; Visfatin) is an 52kDA adipokine secreted by adipose tissue and involved in the biosynthesis of nicotinamide adenine dinucleotide (NAD+). Two forms of Nampt exist, an intracellular form (iNampt) and an extracellular form (eNampt). While the function of iNampt as an essential and rate-limiting NAD+ biosynthetic enzyme is well established, the physiological role of eNampt is still a matter of debate. It has been shown that Nampt expression is increased in different diseases, like diabetes, obesity, fetal growth retardation, sepsis, inflammatory bowel disease, Crohn’s disease and rheumatoid arthritis. Furthermore, Nampt might be a marker of pre-eclampsia and of endothelial health.

Product Specific References


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Adipogen Corp. 9853 Pacific Heights Blvd., Suite L San Diego, CA 92121-4721 USA TEL (858) 457-8383 FAX (858) 457-8484 info-us@adipogen.com

Adipogen AG Schulterstrasse 12 4410 Liestal Switzerland TEL +41-61-926-60-40 FAX +41-61-926-60-49 info@adipogen.com

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Figure 1: Standard curve