BioServ UK

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Data Sheet

Anti-Adiponectin Clone 32F8

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Product Name	Anti Human Adiponectin 32F8
Catalogue Number	32F8
Clone, Isotype	32F8, IgG1
Format	IgG
Tested Applications	ELISA

Description:

Adiponectin plays an important role in pathogenesis and amplification of insulin-resistant states in humans, where levels are reduced in patients with type-2 diabetes and obesity. (Hotta K, et al.) Clone 32F8 is used in a combination ELISA with clone 399R, with 32F8 acting as the detection antibody, to detect total adiponectin concentrations in plasma' and the concentration of individual multimeric forms of adiponectin concentrations following denaturation treatment of plasma.

Product Details:

Form in stock: IgG, purified – 1.0 mg/mL. Also available as unpurified supernatant.

Host: Mouse

Specificity: Total Adiponectin (Homo, trimeric, Hexameric and high molecular weight multimer) concentrations in human plasma when used with 399R.

Fusion Partner: Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 myeloma cell line.

Storage: Store at +4°C or -20°C. Avoid repeated freezing and thawing.

Shelf life: 18 months from date of dispatch.

Regulatory / Restrictions: For research and commercial purposes.

Applications	Suggested Dilution
ELISA	1:1000[1]

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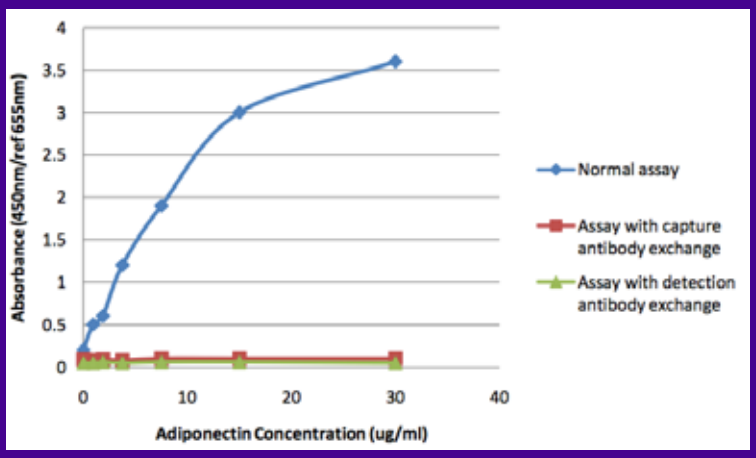
Applications:



Assessment of specificity of the ELISA sandwich combination 399R and 32F8 to quantify adiponectin concentration in serum.

(Hazell, M 2009)
Dilution used: 1:1000

References:

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3. Miller, N.E., Michel, C.C., Nanjee, M.N., Olszewski, W.L., Miller, I.P., Hazell, M., Olivecrona, G., Sutton, P., Humphreys, S.M., Frayn, K.N. (2011) Secretion of adipokines by human adipose tissue in vivo: partitioning between capillary and lymphatic transport. *American Journal of Physiological Endocrinology & Metabolism ;301(4). E659-67.*
4. Kiewiet, R.M., Hazell, M.J., van Aken, M.O., van der Weerd, K., Visser, J.A., Themmen, A.P., van der Lely, A.J.(2011) Acute effects of acylated and unacylated ghrelin on total and high molecular weight adiponectin inmorbidly obese subjects. *J Endocrinol Invest.; 34(6):434-8.*
5. Barber, T.M., Hazell, M., Christodoulides, C., Golding, S.J., Alvey, C., Burling, K., Vidal-Puig, A., Groome, N.P., Wass, J.A., Franks, S., McCarthy, M.I. (2008) Serum levels of retinol-binding protein 4 and adiponectin in women with polycystic ovary syndrome: associations with visceral fat but no evidence for fat mass-independent effects on pathogenesis in this condition. *Journal of Clinical Endocrinology & Metabolism Jul;93(7):2859-65.*
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