BioServ UK

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Data Sheet

Anti-Adiponectin Clone 399R

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Product Name	Anti Human Adiponectin 399R
Catalogue Number	399R
Clone, Isotype	399R, 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 399R is used in a combination ELISA with clone 32F8, with 399R acting as the capture 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 32F8

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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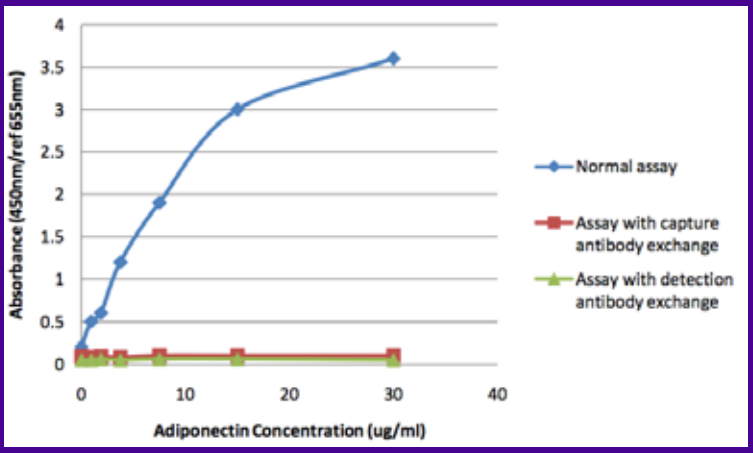
Anti-Adiponectin Clone 32F8

Anti-Adiponectin Clone 399R

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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