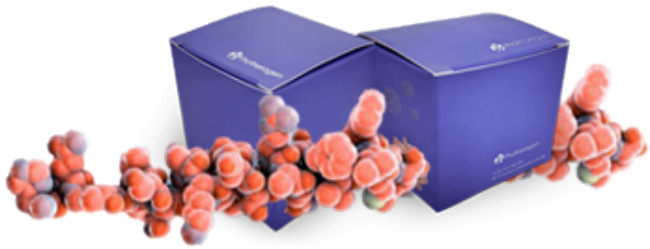
Protheragen Obesity



Rat acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.781-50 ng/mL, 0.29 ng/mL)

Cat. No.:	OB0525WXX-110
Assay Type:	Quantitative sandwich ELISA
Target Species:	Rat
Assay Target:	ACP5
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Rat acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.781-50 ng/mL, 0.2 9 ng/mL) is a ready-to-use ELISA kit for analyzing rat ACP5 levels with a detect ion range of 0.781-50 ng/mL and a sensitivity of 0.29 ng/mL.
Assay Principle	This kit is based on the ACP5 antibody-ACP5 antigen Interaction (Immunosorbent) and an HRP colorimetric detection system for the detection of ACP5 antigenic tar gets in samples.
Background	ACP5 is involved in the dephosphorylation of proteins. Its expression appears to increase in certain pathological states. Mice overexpressing *ACP5* have b een found to exhibit hyperplastic obesity. There are two phenotypes of this enzy me: 5a and 5b. TRAP 5a binds to preadipocytes and may exert cell number-regulati ng activity, inducing preadipocyte proliferation/differentiation. TRAP 5b may al so induce the proliferation of certain cell types.
Synonyms	HPAP; TRAP; TRACP5a; TRACP5b; TrATPase; Tartrate-resistant acid phosphatase type 5; Tartrate-resistant acid ATPase; TrATPase; Type 5 acid phosphatase; Tartrate- resistant acid phosphatase; TRAP 5; ACP 5; EC 3.1.3.2
Formula Weight	36,726 Da
Applications	Rat acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.781-50 ng/mL, 0.2 9 ng/mL) is designed for the *in vitro* quantitative analysis of ACP5 level s in rat serum, plasma, tissue homogenates, and other biological fluid samples.
Research Area	Hormone regulation; Metabolites; Defense response; Inflammatory; Obesity

Specification

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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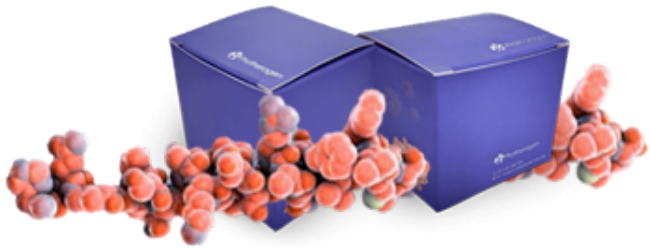

Sample Type	Serum; Plasma; Tissue homogenates; Other biological fluids
Detection Range	0.781-50 ng/mL
Sensitivity	0.29 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 4°C (TMB substrate, wash buffer, stop solution) and -20°C (other reagen ts).

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