



Human acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.312-20 ng/mL, 0.121 ng/mL)

Cat. No.:	OB0525WXX-121
Assay Type:	Quantitative sandwich ELISA
Target Species:	Human
Assay Target:	ACP5
Size:	48T; 96T

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

Product Overview

Description	Human acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.312-20 ng/mL, 0.121 ng/mL) is a ready-to-use ELISA kit for analyzing human ACP5 levels with a detection range of 0.312-20 ng/mL and a sensitivity of 0.121 ng/mL.
Assay Principle	The kit is based on an ACP5 antibody-ACP5 antigen interaction (immunosorbent) and an HRP colorimetric detection system to detect ACP5 antigenic targets in samples.
Background	ACP5 is involved in the dephosphorylation of proteins. Its expression appears to increase in certain pathological states. Mice overexpressing ACP5 have been found to exhibit hyperplastic obesity. There are two phenotypes of this enzyme: 5a and 5b. TRAP 5a binds to preadipocytes and may exert cell number-regulating activity, inducing preadipocyte proliferation/differentiation. TRAP 5b may also 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	36,599 Da
Applications	Human acid phosphatase 5, tartrate resistant (ACP5) ELISA kit (0.312-20 ng/mL, 0.121 ng/mL) is designed for the <i>in vitro</i> quantitative analysis of ACP5 levels in human serum, plasma, tissue homogenates, and other biological fluid samples.
Research Area	Hormone regulation; Metabolites; Defense response; Inflammatory; Obesity

Specification



Sample Type	Serum; Plasma; Tissue homogenates; Other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	0.121 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 reagents).