CREATIVE BIOMART®
Assay Kit

Autotaxin Inhibitor Screening Assay Kit

Product Information

Cat.No.	Kit-1922

Size

96 wells

Description

Autotaxin (ATX, Ectonucleotide Pyrophosphatase/Phosphodiesterase-2, ENPP-2, Lysophospholipase D) is a secreted lysophospholipase D that catalyzes the hydrolysis of lysophosphatidylcholine (LPC) to generate lysophosphatidic acid (LPA). LPA is a lipid mediator that activates G protein-coupled receptors and induces a variety of biological responses, such as neurogenesis, angiogenesis, smooth-muscle contraction, platelet aggregation, and wound healing. ATX-LPA signaling is involved in a range of pathologies including tumor progression and inflammation. The Autotaxin Inhibitor Screening Assay provides a convenient method for screening human ATX inhibitors. ATX cleaves bis-(p-nitrophenyl) phosphate liberating p-nitrophenol, a yellow product that is measured at 405-415 nm.

Storage

-80°C

Kit Components

Autotaxin Assay Buffer (10X): 1 vial/5 ml; -20°CAutotaxin (human recombinant) Assay Reagent: 2 vials/60 µl; -80°CAutotaxin Substrate: 2 vials/lyophilized; -20°C96-Well Solid Plate (Colorimetric Assay): 1 plate; Room temperature96-Well Cover Sheet: 1 cover; Room temperature

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