CREATIVE BIOMART®
Assay Kit

PCSK9-LDLR in vitro Binding Assay Kit

Product Information

Cat.No. Kit-0666

Product Overview

The PCSK9-LDLR in vitro Binding Assay Kit is primarily designed to screening inhibitors of PCSK9-LDLR interaction in vitro. In addition, this kit can be used for the rapid and sensitive evaluation of inhibitor candidates as well as characterization of PCSK9-LDLR interaction in vitro. The recombinant LDLR-EGF-AB domain used in this assay kit was specially designed for keeping the correct conformation to bind PCSK9, even if immobilized on the microplate surface. This technique allows us measuring efficiently the interaction of recombinant PCSK9 to recombinant LDLR-AB domain in a solid-phase assay system such as a conventional ELISA system.

Size

96 assay

Applications

1) Screening inhibitors of PCSK9-LDLR interaction in vitro.2) Characterization of inhibitor candidates of PCSK9-LDLR interaction in vitro.3) Screening monoclonal antibody that inhibits PCSK9-LDLR interaction in vitro.4) Characterization of PCSK9-LDLR interaction in vitro.

Storage

Upon receipt, store all other components at 4°C;Don"t expose reagents to excessive light.All of the reagents included in the CycLex Research Product CircuLex PCSK9-LDLR in vitro Binding Assay Kit have been tested for stability. Reagents should not be used beyond the stated expiration date.

Kit Components

All samples should be assayed in duplicate. The following components are supplied and are sufficient for the one 96-well microtiter plate kit.Microplate: One microplate supplied ready to use, with 96 wells (12 strips of 8-wells) in a foil, zip-lock bag with a desiccant pack. Wells are coated with Recombinant LDL-EGF-AB domain.Recombinant His-tagged PCSK9 wild type: One vial containing 1.2 µg of lyophilized recombinant His-tagged PCSK9 wild type.150X Biotinylated anti-His-tag monoclonal antibody: One vial containing 100 µL of 150X Biotinylated anti-His-tag monoclonal

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antibody. For long term storage, unused 150X Biotinylated anti-His-tag monoclonal antibody solution can be stored in small aliquots (e.g. 20 µL) at below -70°C to avoid repeated freezing and thawing.Reaction Buffer: One bottle containing 50 mL of 1X buffer; used for binding reaction and dilution of Recombinant His-tagged PCSK9 wild type. Ready to use.150X HRP-conjugated Streptavidin: One vial containing 100 µL of 150X HRP-conjugated Streptavidin. For long term storage, unused 150X HRP-conjugated Streptavidin solution can be stored in small aliquots (e.g. 20 µL) at below -70°C to avoid repeated freezing and thawing.Conjugate Dilution Buffer: One bottle containing 30 mL of 1X buffer; used for dilution of HRP-conjugated Streptavidin. Ready to use10X Wash Buffer: One bottle containing 100 mL of 10X buffer containing 2%Tween-20Substrate Reagent: One bottle containing 20 mL of the chromogenic substrate, tetra methylbenzidine (TMB). Ready to use.Stop Solution: One bottle containing 20 mL of 1 N H2SO4. Ready to use.

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