CREATIVE BIOMART®
Assay Kit

DPP IV Immunocapture Activity Assay Kit

Product Information

Cat.No. Kit-0313

Product Overview

Dipeptidyl peptidase IV (DPP IV) is a serine exopeptidase. The natural substrate of this enzyme include chemokines, cytokines, endomorphines, hormones and the pancreatic polypeptide of the PACAP/glucagons peptide family. Of particular interest is the ability of DPP IV to regulate incretin hormones. Since these hormones are deactivated by DPP IV, a multivalent method of treatment for type 2 diabetes and, more generally, in glucose metabolism disorders, is opened by the inhibition of this protease.

Size

1 kit/96 Tests

Usage

The Calbiochem InnoZyme DPP IV Immunocapture Activity Assay is intended for the measurement of human DPP IV activity in biological samples such as cell lysates, tissue extracts, and biological fluids.

Storage

Storage: -20°C Storage Conditions: Upon arrival store the unopened kit at -20°C. All kit components, once opened, can be stored for up to 3 months.Note: Following initial use the Control should be dispensed into aliquots and stored at -20°C or -70°C. Avoid freeze/thaw cycles.Do not freeze No

Kit Components

• Anti-DPP IV Antibody Coated 96-Well Plate: 1 plate, 96-wells, supplied as six 2 x 8 well strips, coated with an antibody specific for human DPP IV• Control, Human Recombinant DPP IV: 1 vial, 30 µl supplied at 1 µg/ml• Substrate: 1 vial, 120 µl, supplied as 20 mM Gly-Pro AMC in DMSO• Assay Buffer: 1 bottle, 20 ml • 10X Sample Buffer: 2 bottles, 20 ml each, supplied as 10X• Plate Sealer: 2 each

Detection method Fluorescence

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