



## DPP IV Immunocapture Activity Assay Kit

### Product Information

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#### Cat.No.

Kit-0313

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#### Product Overview

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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.

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#### Size

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1 kit/96 Tests

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#### Usage

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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.

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#### Storage

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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

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#### Kit Components

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- 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

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CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## DPP IV Immunocapture Activity Assay Kit

**Detection method** Fluorescence

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