CREATIVE BIOMART®
Assay Kit

Human IDO1 Cell-Based Assay Kit

Product Information

Cat.No. Kit-1754

Product Overview

L-tryptophan (L-Trp) is an essential amino acid necessary for protein synthesis in mammalian cells and the L-Trp to kynurenine (Kyn) pathway is firmly established as a key regulator of innate and adaptive immunity. Catabolism of L-Trp to Kyn maintains an immunosuppressive microenvironment by starving immune cells of L-Trp and releasing degradation products of LTrp that have immunosuppressive functions. Indoleamine 2,3-dioxygenases (IDO1 & IDO2), two of the rate limiting enzymes in this pathway, are upregulated in many tumors, providing cancer cells with an avenue for immune evasion.

Size

100 reactions

Description

The human IDO1 Cell-Based Assay Kit is designed to monitor the activity of exogenously expressed human IDO1 in cultured cells.

Applications

Screen for inhibitors of hIDO1 enzyme in a cellular context. Note: The expression vector is designed for use in transient transfection protocols. It is NOT SUITABLE for transformation and amplification in bacteria.

Storage

Stable at least 6 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

hIDO1 Expression Vector (Component A): 100 µl (50 ng DNA/µl); -20°C IDO1 Assay Medium Supplement 1 (Component B): 200 µl; 4°C IDO1 Assay Medium Supplement 2 (Component C): 200

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Human IDO1 Cell-Based Assay Kit

µl; -20°C IDO1 Detection Reagent (Component D): 200 mg; Room temperature

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA