CREATIVE BIOMART®
Assay Kit

IL-17RA[Biotin]:IL-17A Inhibitor Screening Assay Kit

Product Information

Cat.No. Kit-1764

Product Overview

IL-17A is a pro-inflammatory cytokine produced by TH17 cells that plays a key role in inflammation, autoimmunity, and host defense. It has been shown to stimulate the production of pro-inflammatory cytokines, namely IL-6 and IL-8, by synoviocytes. Due to its role as a mediator of inflammation, the IL-17 pathway has become a popular target for treating diseases that have a strong inflammatory component such as psoriasis, arthritis, Crohn"s disease, and ankylosing spondylitis.

Size

96 reactions

Description

The IL-17RA[Biotin]:IL-17A Inhibitor Screening Assay Kit is designed for screening inhibitors of IL-17A:IL-17RA interaction. The IL-17RA[Biotin]-IL-17A Binding Assay Kit comes in a convenient 96-well format, with biotin-labeled IL-17RA, purified IL-17A, streptavidinlabeled HRP, and assay buffer for 100 binding reactions. The key to this kit is the high sensitivity of detection of biotin-labeled IL-17RA by streptavidin-HRP. Only a few simple steps on a microtiter plate are required for the assay. First, IL-17A is coated on a 96-well plate. Next, IL-17RA is incubated with IL-17A on the plate. Finally, the plate is treated with streptavidin-HRP followed by addition of an HRP substrate to produce chemiluminescence, which can then be measured using a chemiluminescence reader.

Applications

Great for screening small molecules and antibodies that inhibit the binding of IL-17A to IL-17RA.

Storage

One year from date of receipt when stored as directed.

Kit Components

IL-17RA[Biotin]: 2 µg; -80°C IL-17A: 10 µg; -80°C 3x IL-17A assay buffer: 50 ml; -20°C Streptavidin-HRP: 15 µl; +4°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (translucent bottle): 6 ml;

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+4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C White 96-well microplate: 1; +4°C

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