REAplex Immune Phenotyping, mouse, frozen-PFA

Order no. 130-140-827

Contents

1. Description
   - 1.1 Background information
   - 1.2 Applications
   - 1.3 Reagent and instrument requirements
2. Protocol

1. Description

This product is for research use only.

Components	**1 × REAplex Immune Phenotyping, mouse, frozen-PFA** containing 22 × 200 µL single liquid fluorochrome-conjugated antibodies, anti-mouse **1 × MACSima® Stain Support Kit, mouse**
Product format	Reagents are supplied in buffer containing stabilizer and 0.05% sodium azide. The product format of the MACSima Stain Support Kit, mouse is listed in the respective data sheet.
Storage	Store protected from light at +2 to +8 °C. Do not freeze. The expiration date is indicated on the vial label.

1.1 Background information

REAplex Immune Phenotyping, mouse, frozen-PFA is a pre-defined panel of liquid antibodies for use with the MACSima Platform. The MACSima System is a fully automated instrument capable of staining hundreds of markers on a single sample using MACSima Imaging Cyclic Staining (MICS) technology.

The Kit is a pre-defined panel of 22 liquid antibody conjugates. It is designed as a standardized basis for spatial mapping of frozen mouse tissue sections on the MACSima Platform. The markers allow identification of key immune cell populations, and visualization of their tissue context.

The kit is supplied with a pre-defined set of staining and imaging parameters that provide a standardized overview of a tissue section. It can also be modified to achieve optimal results for a specific sample or supplemented with more antibodies, if required. The REAplex Immune Phenotyping, mouse, frozen-PFA includes the MACSima Stain Support Kit, which contains support reagents necessary for conducting a MICS experiment.

1.2 Applications

Spatial biology analysis using the MACSima Platform for research in the field of immunology, e.g.:

- Identification of key immune cell populations, such as T cells, B cells, NK cells, macrophages, neutrophils, or dendritic cells.
- Visualization of their tissue context through staining of epithelial cells and vasculature.
- Examining cellular activity, through tracking of proliferation or T cell activation.

1.3 Reagent and instrument requirements

- MACSima System (# 130-121-164)
- MACSima Running Buffer (# 130-121-565)
- MACSwell™ One Imaging Frames (# 130-124-673), MACSwell Two Imaging Frames (# 130-124-675), MACSwell Four Imaging Frames (# 130-124-676), or MACSwell 24 Imaging Plates (# 130-124-677)
- MACSwell Deepwell Plates (# 130-126-865)
- MACSwell Sealing Foils (# 130-126-866)

2. Protocol

The detailed protocol is available at www.miltenyibiotec.com/REAplex-IP.

Refer to **www.miltenyibiotec.com** for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com for local Miltenyi Biotec Technical Support contact information.

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