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1. Description

This product is for research use only.

Components 1× REApIex Immuno-oncology Core, human, FFPE containing 20×200 µL single liquid fluorochrome-conjugated antibodies, anti-human

1× MACSima™ Stain Support Kit, human

Product format Reagents are supplied in buffer containing stabilizer and 0.05% sodium azide. The product format of the MACSima Stain Support Kit, human 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

REApIex Immuno-oncology Core, human, FFPE 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.

REApIex Immuno-oncology Core, human, FFPE is designed for use with human FFPE-fixed tissue sections. It allows determination of 20 biomarkers to visualize key features of the tumor microenvironment (TME) and to identify tumor-infiltrating immune cells. The kit is supplied with a pre-tested set of staining and imaging parameters that can give 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. REApIex Immuno-oncology Core, human, FFPE includes a MACSima Stain Support Kit which contains support reagents required for a MICS experiment.

1.2 Applications

Spatial biology analysis using the MACSima Platform for immunological research, e.g.:

- Visualization of the tumor and surrounding tissue
- Assessment of tumor invasiveness
- Examination of tumor immune infiltration and immunosuppression within the tumor microenvironment

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/REApIex-IO.

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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