

ONCORE Pro-Tect Detection Kit

Micro-polymer detection
902-OPRR8005K-112923

Available Product Formats	
Catalog Number	Volume
OPRR8005K	60 tests

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Background Information:

The ONCORE Pro-Tect Detection Kit is designed using a two-step or three-step method for detecting mouse and/or rabbit primary antibodies to form an antibody-enzyme complex. This complex is then visualized using an appropriate substrate/chromogen. In the two-step method (rabbit), the universal linker is applied, then an additional enzyme-linked polymer labeled reagent is sequentially applied. In the three-step method (mouse), the mouse probe is applied, followed by the universal linker, then an additional enzyme-linked polymer labeled reagent is sequentially applied. The two-step and three-step methods are designed to amplify the detection in cases of low expressing antigens.

The ONCORE Pro-Tect Detection kit is provided ready-to-use and is intended to be applied as defined by the staining protocols on the ONCORE Pro and ONCORE Pro X Automated Slide Stainers.

Known Applications:

Immunohistochemistry (Formalin-fixed paraffin-embedded tissues). Other applications have not been tested.

Materials and Methods:

Reagents Provided:

Kit Catalog No.	Component Catalog No.	Component Description	Quantity x Volume
OPRR8005K	OPRR8006T60	ONCORE Pro-Tect Mouse Probe	1 x 10.5 mL
	OPRR8029T60	ONCORE Pro-Tect Universal Linker	1 x 10.5 mL
	OPRR8007T60	ONCORE Pro-Tect HRP Polymer	1 x 10.5 mL

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering.

Reconstitution, Mixing, Dilution, Titration:

The ONCORE Pro-Tect Detection Kit reagent(s) are optimized and ready to use with Biocare IHC antibodies and ancillary reagents. No reconstitution, mixing, dilution, or titration is required.

Species Reactivity:

Mouse and Rabbit IgG heavy and light chains

Supplied As:

ONCORE Pro-Tect Mouse Probe – OPRR8006

Buffered saline solution, pH 7.2-7.4, containing a protein carrier and less than 0.1% sodium azide preservative. See Safety Data Sheet for additional details.

ONCORE Pro-Tect Universal Linker – OPRR8029

Buffered saline solution, pH 7.2-7.4, containing a protein carrier and less than 0.1% sodium azide preservative. See Safety Data Sheet for additional details.

ONCORE Pro-Tect HRP Polymer – OPRR8007

Buffered saline solution, pH 7.6-7.8, containing a protein carrier and less than 0.01% ProClin 300 and/or less than 0.5% ProClin 950 as a preservative. See Safety Data Sheet for additional details.

Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the vial label when stored under these conditions. Do not use after expiration date. Storage under any condition other than those specified must be verified. The kit reagent(s) are ready-to-use and should not be diluted. The stability of user diluted reagent has not been established by Biocare.

Staining Protocol Recommendations

The following programming and protocol recommendations are to assist the user when staining using Biocare's ONCORE Pro X Automated Staining Platform for research applications. The user is responsible for further optimizations of the protocol.

ONCORE Pro-Tect Detection Kit is provided in vials ready for use on the ONCORE Pro X Automated Slide Stainers. Uncap the vial and place in the ONCORE Pro reagent tray. The ONCORE Pro X Automated Slide Stainer will apply reagent as required in the selected protocol. Refer to the appropriate antibody data sheet for the recommended staining protocol. Refer to the appropriate ONCORE Pro Automated Slide Staining System User Manual for detailed instructions on instrument operation and additional protocol options.

Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.


Precautions:

- Kit reagent(s) contain less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN₃) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976)¹
- Kit reagents contain less than 0.05% ProClin 300 and/or less than 1% ProClin 950. Wear gloves and protective clothing and take reasonable precautions when handling as ProClin is classified as an irritant and may cause skin contact sensitization. Avoid contact with eyes, skin, and mucous membranes.
- Handle materials of human or animal origin as potentially biohazardous and dispose of such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.^{2,3}
- Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come into contact with sensitive areas, wash with copious amounts of water.⁴
- Microbial contamination of reagents may result in an increase in nonspecific staining.
- Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
- Do not use reagent after the expiration date printed on the vial.
- The reagent is optimized for use with Biocare antibodies and ancillary reagents. Refer to the primary antibody and other ancillary reagent instructions for use for recommended protocols and conditions for use.
- Follow local and/or state authority requirements for method of disposal.
- The SDS is available upon request and is located at <http://biocare.net>.

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This micro-polymer detection kit contains components classified as indicated in the table below in accordance with Regulation (EC) No. 1272/2008.

Hazard	Code	Hazard Statement
	H317	May cause an allergic skin reaction.
N/A	H402 H412	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.

References:

1. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts.
2. Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
3. Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.