DISCOVERY anti-Rabbit NP

REF 760-4817

07425317001

Σ 125

INTENDED USE

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

SUMMARY AND EXPLANATION

DISCOVERY anti-Rabbit NP is a goat anti rabbit polyclonal antibody hapten-labeled with NP (Nitropyrazole) to be detected by DISCOVERY anti-NP AP (760-4827, 07425325001). It consists of a robust chemistry that provides clean background in combination with enhanced specificity and sensitivity, which increases the signal-to-noise ratio. DISCOVERY anti-Rabbit NP is designed to be used in conjunction with the DISCOVERY XT and DISCOVERY ULTRA (DISCOVERY series) instruments and VENTANA ancillary reagents for optimal performance.

MATERIAL PROVIDED

One 12.5 mL dispenser of DISCOVERY anti-Rabbit NP contains reagent for 125 tests.

Further dilution may result in loss of antigen staining. Differences in tissue processing and technical procedures in the laboratory may produce significant variability in results and require regular use of controls.

MATERIALS REQUIRED BUT NOT PROVIDED

The DISCOVERY anti-Rabbit NP is designed to be used with the DISCOVERY anti-NP AP. Failure to use these products together will yield a negative result. Staining reagents, such as VENTANA detection kits and ancillary components, including negative and positive tissue control slides, are not provided.

STORAGE AND STABILITY

Upon receipt and when not in use, store at 2-8°C Do not freeze.

To ensure proper reagent delivery and stability of the antibody, replace the dispenser cap after every use and immediately place the dispenser in the refrigerator in an upright position.

Every reagent is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use reagent beyond the expiration date.

SPECIMEN PREPARATION

Routinely processed, formalin-fixed, paraffin-embedded tissues are suitable for use with this antibody when used with VENTANA detection kits and DISCOVERY XT or DISCOVERY ULTRA (DISCOVERY series) automated slide stainers. The recommended tissue fixative is 10% neutral buffered formalin (NBF).[1] Slides should be stained immediately, as antigenicity of cut tissue sections may diminish over time.

It is recommended that positive and negative controls should be run simultaneously with unknown specimens.

WARNINGS AND PRECAUTIONS

1. For Research Use Only (RUO).
2. For professional use only.
3. Do not use beyond the specified number of tests.
4. ProClin 300 solution is used as a preservative in this reagent. It is classified as an irritant and may cause sensitization through skin contact. Take reasonable precautions when handling. Avoid contact of reagents with eyes, skin, and mucous membranes. Use protective clothing and gloves. Positively charged slides may be susceptible to environmental stresses resulting in inappropriate staining. Ask your Roche representative for more information on how to use these types of slides.
5. Materials of human or animal origin should be handled as biohazardous materials and disposed of with proper precautions. In the event of exposure, the health directives of the responsible authorities should be followed.[2,3]
6. Avoid contact of reagents with eyes and mucous membranes. If reagents come in contact with sensitive areas, wash with copious amounts of water.
7. Avoid microbial contamination of reagents as it may cause incorrect results.
8. For further information on the use of this device, refer to the instrument User Guide, and instructions for use of all necessary components located at navifyportal.roche.com.
9. Consult local and/or state authorities with regard to the recommended method of disposal.
10. Product safety labeling primarily follows EU GHS guidance. Safety data sheet available for professional user on request.
11. To report suspected serious incidents related to this device, contact the local Roche representative and the competent authority of the Member State or Country in which the user is established.

This product contains components classified as follows in accordance with the Regulation (EC) No. 1272/2008:

Table 1. Hazard information.

Hazard	Code	Statement
WARNING 	H317	May cause an allergic skin reaction.
	P261	Avoid breathing mist or vapours.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
	P362 + P364	Take off contaminated clothing and wash it before reuse.
	P501	Dispose of contents/ container to an approved waste disposal plant.

This product contains CAS # 55965-84-9, a reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

PROCEDURE

VENTANA DISCOVERY reagents are for use on DISCOVERY instruments.

The parameters for the automated procedures can be displayed, printed and edited according to the procedure in the instrument User Guide.

STAINING PROCEDURE / INSTRUCTIONS FOR USE

For flexibility, the detection systems are split between the specific secondary NP labeled conjugate, DISCOVERY anti-NP AP conjugate and AP substrate kit such as ChromoMap Blue (760-161, 05266661001) and DISCOVERY Red (760-228, 07425333001). Therefore, the same chromogenic kit can be used with two or more separate conjugates on the same instrument run. The DISCOVERY anti-Rabbit NP, the DISCOVERY anti-NP AP conjugate and an AP substrate kit can be individually; however, all are required to obtain IHC results. Most protocols will require an 8-12 minute incubation of the NP labeled secondary and of the anti-NP AP conjugate. Incubations can be adjusted to increase or decrease intensity of stain accordingly.

Kits must be registered prior to use on the DISCOVERY series instruments. Open the package and take out the dispenser. Remove the cap from the nozzle of each dispenser, and place it on the nozzle cap holder on the rear of the dispenser. While holding the dispenser upright, remove the yellow shipping key by pulling the key tab to disengage it from each end. Do not cover the nozzle tip or depress the dispenser while removing key. Place the dispensers on the reagent tray, along with the appropriate accessory reagents.

The DISCOVERY series of instruments combined with any of the NP labeled secondary conjugates, anti-NP AP conjugates and the DISCOVERY Red or ChromoMap Blue Kits form an integrated system. ALL KIT COMPONENTS MUST BE USED TOGETHER in order to obtain high-quality and consistent results. Omitting or changing any of the solutions may compromise the final outcome.

Bulk reagents should be prepared using quality reagent-grade water, not tap water. Carboys for storing bulk reagents should be rinsed thoroughly between fillings.

TROUBLESHOOTING

1. If the positive control exhibits weaker staining than expected, other positive controls run during the same instrument run should be checked to determine if it is because of the primary antibody or one of the common secondary reagents.
2. If the positive control is negative, it should be checked to ensure that the slide has the proper bar code label. If the slide is labeled properly, other positive controls run on the same instrument run should be checked to determine if it is because of the primary antibody or one of the common secondary reagents. Tissues may have been improperly collected, fixed, or deparaffinized. The proper procedure should be followed for collection, storage and fixation.
3. If excessive background staining occurs, high levels of endogenous biotin may be present. Include a biotin blocking step in the staining protocol.
4. If all of the paraffin has not been removed, there may be no staining. Repeat the deparaffinization procedure.
5. If specific antibody staining is too intense, repeat the staining run and shorten the incubation time by 4 minute intervals until the desired stain intensity is achieved.
6. If tissue sections wash off the slide, slides should be checked to ensure that they are positively charged.
7. For corrective action, refer to the Instructions for Use section, the instrument User Guide or contact your local support representative.
8. If a reagent dispenser does not dispense fluid, check the priming chamber or meniscus for foreign materials or particulates, such as fibers or precipitates. If the dispenser is blocked, do not use the dispenser and contact your local support representative. Otherwise, re-prime the dispenser by aiming the dispenser over a waste container, removing the nozzle cap, and pressing down on the top of the dispenser.

REFERENCES

1. Carson FL, Cappellano C. Histotechnology; A Self-Instructional Text, 5th edition. American Society for Clinical Pathology Press; 2020, 2022.
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 24 June 2020 on the protection of workers from risks related to exposure to biological agents at work.

Symbols

Ventana uses the following symbol in addition to those listed in the ISO 15223-1 standard (for USA: see elabdoc.roche.com/symbols for more information).

Global Trade Item Number

REVISION HISTORY

Rev	Updates
C	Updates to Warnings and Precautions section. Updated to current template.

INTELLECTUAL PROPERTY

CONTACT INFORMATION

Ventana Medical Systems, Inc.
1910 E. Innovation Park Drive
Tucson, AZ 85755
USA
+1 520 887 2155
+1 800 227 2155 (USA)

www.roche.com