



A Practical Guide: Improve Your IHC Detection Methods for Animal Tissues

Looking for a Better IHC Detection Method for Animal Tissue?

In the traditional setting, IHC on animal tissues has been performed using avidin-biotin detection systems. Although avidin-biotin systems are simple to set up and use, the approach has limitations.

- Higher levels of cross reactivity across tissues
- No set guidance or protocol for retrieval & blocking
- Endogenous biotin in tissues can increase background
- Increased protocol times, due to long biotin blocks
- Decreased sensitivity compared to other systems

The Modern, Efficient Method, Using Polymer Technologies

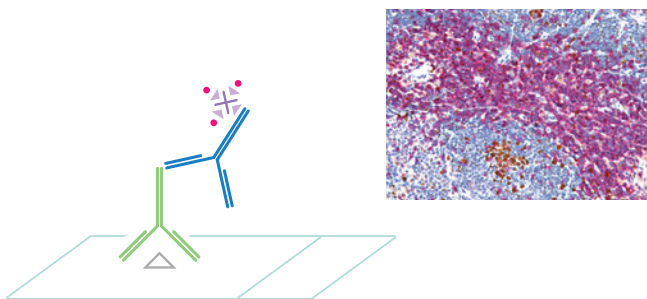
PromARK™ detection is geared toward researchers utilizing animal tissue, as the reagent is pre-adsorbed against the animal species of interest

An easier method, Micro-polymer detection systems are an innovative approach that enables fewer steps and greater sensitivity. More researchers are moving towards micro-polymer detection as the approach does not require biotinylation of antibodies or long biotin blocks.

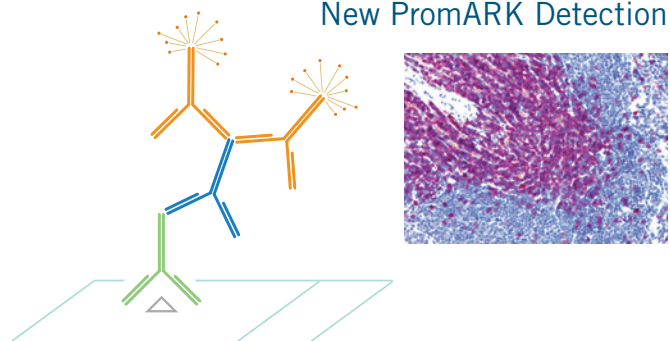
Biocare's PromARK micro-polymer detection systems are designed specifically for use on animal tissues. The micro-polymer technology provides superior sensitivity and minimum cross-reactivity to endogenous mouse and rat IgG. PromARK includes specially formulated heat-retrieval solutions, blocking agents, and one- and two-step detection reagents.

- High staining sensitivity and specificity
- Minimum cross-reactivity to endogenous IgG
- Eliminate endogenous biotin with proprietary blocking reagents
- Reduced number of IHC steps
- Use with FFPE, floating or frozen sections and cell cultures
- Highly effective ancillary reagents
- Suitable for both manual and automated techniques

Traditional Avidin Biotin Detection



New PromARK Detection



While most polymers are only human adsorbed and targeted towards the clinical laboratory, PromARK detection is geared toward researchers utilizing animal tissue, as the reagent is pre-adsorbed against the animal species of interest. PromARK detection systems allow for reduced step, simplified protocols while rendering greater sensitivity and specificity against the target tissue of interest.

To learn more about PromARK Detection, please contact us anytime and we will assess where we may be able to help.
Learn More About PromARK by calling 800-799-9499 or go online: www.biocare.net/products/promark