
Monoclonal Antibody To Porcine Reticular Fibroblasts and Reticular Fibres

Marker For Connective Tissue Framework

Monoclonal antibody PRF414 detects an antigen present in, and produced by, reticular fibroblasts. The antibody is useful to stain the microanatomy of various organs, in particular the connective tissue framework in lymphoid organs. The reticular fibres are composed of collagen fibrils, predominantly type III collagen.

This antibody was produced serum-free, without fetal calf serum.

Product number: T-3522

Clone: PRF414

Lot: 01PO1511

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, isotype: Mouse IgG1, kappa

Quantity: 0.2mg

Format: Affinity purified from cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% (v/v) Kathon CG as a preservative.

Stability: Original vial: 1 year at 4° - 8°C. Avoid repeated thawing and freezing of the reconstituted antibody.

Applications: Tested for immunohistochemistry (IHC), other applications not yet tested.

Approximate working dilutions:

IHC, frozen sections: 0.5µg/ml (1:800)

IHC, paraffin sections: 2µg/ml (1:200) Proteinase K pretreatment for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see www.bma.ch for protocols and general information.

Immunogen: Porcine lung extract.

Antigen, epitope: The epitope has not been characterized.

Antigen distribution: **Tissue sections:** In all organs tested so far, the antigen is expressed in connective tissues which form a supporting network between parenchymal cells. Thus, the supportive mesenchymal structures of vessels and the capillary structure of tissues can be studied. In the spleen, a very clear delineation of red and white pulp is obtained. Capsule, sinuses, follicles, paracortex and medullary cords are also clearly delineated in lymph nodes.

Specificity:

Fig: reticular fibres

Other species: Does not react with human tissue.

This product contains Kathon as a preservative and is intended for *in vitro* laboratory use and research purposes only. Purchase of this product does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.