CD21 (CR2, C3DR, Complement C3d receptor 2)

Catalog # 10176.05 or .10 (0.5 ml or 1.0 ml concentrated)

INTENDED USE

- ***In Vitro:*** This product is intended for qualitative immunohistochemistry with normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be viewed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- ***Description:*** CD21 antigen is an integral membrane glycoprotein of molecular weight 140 kDa (encoded by CR2 gene /complement receptor 2/, also known as complement C3d- and Epstein-Barr virus receptor). Anti-CD21 is useful in the identification of follicular dendriditic cell matrix found in normal lymph nodes and tonsillar tissue. This antibody also labels follicular dendritic cell tumor/sarcomas. The antigen is absent on T-lymphocytes, monocytes, and granulocytes.
- ***Expected Staining Pattern:*** Cytoplasmic
- ***Positive Control:*** Tonsil, Lymph node

MATERIALS PROVIDED

- ***CD21 specific rabbit monoclonal antibody:*** #10176, tissue culture supernatant, concentrated, with 0.09% sodium azide.
- ***Host:*** Rabbit
- ***Epitope:*** Not determined.
- ***Species Reactivity:*** Human.
- ***Clone:*** EP3093
- ***Ig Isotype / Light Chain:*** IgG
- ***Immunogen:*** Not known
- ***Sterility:*** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED

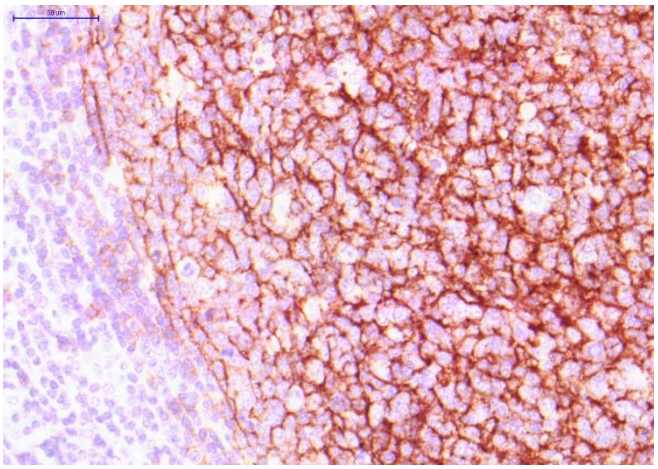
- Detection system
- Chromogen/substrate system

METHODS AND PROCEDURES

- ***Tissue Section Pretreatment:*** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- ***Recommended Pretreatment:***
  HISTOLS®-Citrate Buffer (cat#30010)
  HISTOLS®-Peroxidase Blocking Solution (cat# 30013)
  HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012)
- ***Dilution of Concentrated Antibody:*** 1:200 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- ***Primary Antibody Incubation Time:*** 60 minutes at RT.
- ***Recommended Detection System:***
  HISTOLS®-MR (anti- mouse & rabbit Ig) (cat# 30011)
- ***Visualization:*** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.



Human tonsil, CD21

For research use only