

Mouse Anti-FDC/Follicular dendritic cell [CNA42]: MC0117

Intended Use: For Research Use Only

Description: This antibody recognizes a unique carbohydrate epitope found on follicular dendritic cells (FDCs) from a variety of species. FDCs are large cells in germinal centers (GCs) of primary and lymphoid tissues. They present non-processed antigen and switch off apoptosis of B cells through a selection process resulting in selection of memory B cells. FDCs express many B cell markers such as CD21 (long isoform), CD23 and CD35. A role for FDCs as been shown in various infectious diseases such as AIDS and transmissible spongiform encephalitis. Staining with this clone is mainly restricted to the plasma membrane but in limited cases may also be cytoplasmic (as seen in mast cells).

Specifications

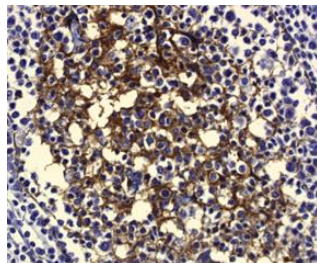
Clone: CNA42
 Source: Mouse
 Reactivity: Human
 Isotype: IgM
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing < 0.1% BSA, 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., WB
 Package:

Description	Catalog No.	Size
FDC/Follicular dendritic cell [CNA42] Concentrated	MC0117	1 ml

IHC Procedure*

Positive Control Tissue: Tonsil, gastric cancer, thyroid cancer
 Concentrated Dilution: 10-30
 Pretreatment: Citrate pH6.0 or EDTA pH 8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-FDC using DAB

References:

1. BAFF/BLyS can potentiate B-cell selection with the B-cell coreceptor complex. Hase H, et al. Blood. Mar 15;103(6):2257-65, 2004.
2. Immunohistochemical recognition of human follicular dendritic cells (FDCs) in routinely processed paraffin sections. Maeda K, et al. J Histochem Cytochem. Nov;50(11):1475-86, 2002.
3. CNA.42, a new monoclonal antibody directed against a fixative-resistant antigen of follicular dendritic reticulum cells. Am J Pathol. Dec;151(6):1577-85, 1997.