MECA-79 (MECA-79): sc-19602

**BACKGROUND**

The activation of lymphocytes in response to various cellular functions leads to the appearance of different glycoproteins on the surface of the cell. These glycoproteins contain unique carbohydrate epitopes that participate in the lymphocyte response to cellular inflammation. MECA-79 is a carbohydrate epitope that is found on a family of sialomucins known as peripheral node adhesion molecules (PNAd). This epitope is present on both inflamed tissues and on high endothelial venules (HEVs) in lymphoid tissues, the MECA-79 epitope binds to CD62L. The initiation of homing and rolling is critical for the localization of lymphocytes in peripheral lymph nodes, an event that is necessary for the cellular response to inflammation.

**REFERENCES**


**SOURCE**

MECA-79 (MECA-79) is a rat monoclonal antibody raised against lymph node stromal cells of mouse origin.

**PRODUCT**

Each vial contains 200 µg IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available azide-free for blocking, sc-19602 L, 200 µg/0.1 ml.

MECA-79 (MECA-79) is available conjugated to agarose (sc-19602 AC), 500 µg/0.25 ml agarose in 1 ml, for IL-2, to HRP (sc-19602 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; and to either phycoerythrin (sc-19602 PE), fluorescein (sc-19602 FITC), Alexa Fluor® 488 (sc-19602 AF488) or Alexa Fluor® 647 (sc-19602 AF647), 200 µg/ml, for IF, IHC(P) and FCM.

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**APPLICATIONS**

MECA-79 (MECA-79) is recommended for detection of peripheral lymph node HEV of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

Positive Controls: mouse lymph node extract: sc-364243, human lymph node extract: sc-363768 or human tonsil tissue extract: sc-364263.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

MECA-79 (MECA-79) HRP: sc-19602 HRP. Direct western blot analysis of MECA-79 expression in mouse lymph node (A), human lymph node (B) and human tonsil (C) tissue extracts.

MECA-79 (MECA-79) sc-19602. Immunoperoxidase staining of formalin fixed, paraffin-embedded human tonsil tissue showing membrane localization (A) and cytoplasmic staining of cells in high endothelial venules (B).

**SELECT PRODUCT CITATIONS**


**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.