ADVANCED TARGETING SYSTEMS

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Antibody to Human Macrophage Inflammatory Protein-3

MOUSE MONOCLONAL

Catalog Number: AB-528
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG1
Clone: YNR-HMIP3
Immunogen: r.Human MIP-3

Background:
Chemokine (C-C motif) ligand 19 (CCL19) is a small cytokine belonging to the CC chemokine family that is also known as EBI1 ligand chemokine (ELC) and macrophage inflammatory protein-3-beta (MIP-3-beta). CCL19 is expressed abundantly in thymus and lymph nodes, with moderate levels in trachea and colon and low levels in stomach, small intestine, lung, kidney and spleen. The gene for CCL19 is located on human chromosome 9. This chemokine elicits its effects on its target cells by binding to the chemokine receptor CCR7. It attracts certain cells of the immune system, including dendritic cells and antigen-engaged B cells.

Specificity and Preparation:
This antibody was created using recombinant human MIP-3 as immunogen. The antibody was purified by ion exchange chromatography. The protein concentration is 1 mg/ml in PBS after reconstitution with water.

Usage and Storage:
Reported to be effective for direct ELISA, western blot, and immunoprecipitation. Working concentration should be determined by the investigator. By direct ELISA, 1:10,000 dilution will yield 0.5 O.D using alkaline phosphatase conjugated rabbit anti-mouse IgG (Jackson Laboratories).
Store lyophilized material at 4°C in a dry environment. Reconstitute with sterile H_2O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable one month in solution at 4°C, two years lyophilized. Antibody is shipped lyophilized at ambient temperature.

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