Goat Anti-Human MIP-1α Biotin Affinity Purified pAb

Catalog No.	PA0952BT	**Quantity:**	50 µg

Description: MIP-1α belongs to the family of chemotactic cytokines known as chemokines. In humans there are two major forms, MIP-1α and MIP-1β, also known as CCL3 and CCL4, respectively. They are produced by many cells, particularly macrophages, dendritic cells, and lymphocytes. MIP-1 are best known for their chemotactic and proinflammatory effects but can also promote homoeostasis.

Specificity: Human

Host: Goat

Immunogen: Recombinant Human MIP-1α

Conjugate: Biotin

Formulation: Lyophilized from sterile filtered PBS.

Purification: Affinity chromatography on immoblized hMIP-1α matrix

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute in sterile water to a concentration of 0.1 - 1.0 mg/mL.

Applications: ELISA, Western Blot, Immunohostochemistry

Application Notes:

ELISA
To detect human MIP-1α by direct ELISA (using 100 µL/well antibody solution) a concentration of at least 0.5 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant human MIP-1-α.

Western Blot:
To detect human MIP-1α by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant human MIP-1α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Immunohistochemistry
To detect human MIP-1α by immunohistochemistry, the recommended concentration is 5.0 µg/mL with an overnight incubation at 4 °C. Heat-induced antigen retrieval at pH 9.0 is recommended.

The optimal concentration should be determined by the user for each specific application.

Storage & Stability:

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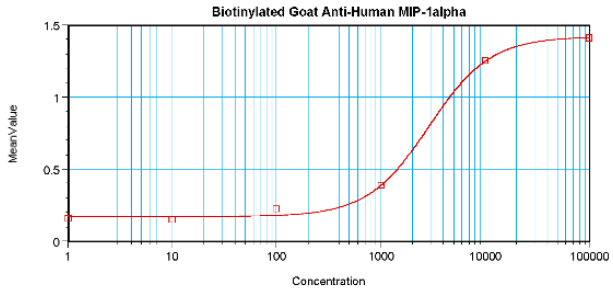
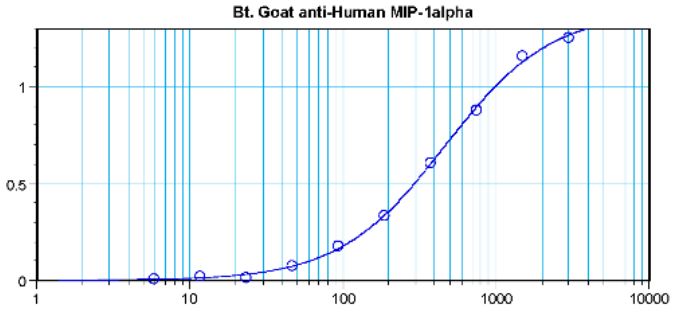
stable for two weeks at 2-8 °C. **Avoid repeated freeze-thaw cycles**.





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